SCHNEIDER ELECTRONICS GMBH-GERMANY

Service Manual

Model No.: 42M901

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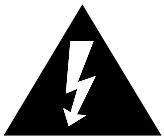
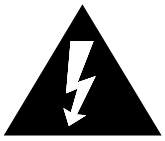
This manual is the latest at the time of printing, and does not include the modification which may be made after printing, by the constant improvement of product.

1. CAUTION

CAUTION:
Use of controls, adjustments or procedures other than those specified herein may result in hazardous radiation exposure.



CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lighting flash with arrowhead symbol, with an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to the person.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

IMPORTANT SAFETY INSTRUCTIONS

CAUTION:

Read all of these instructions. Save these instructions for later use. Follow all Warnings and Instructions marked on the audio equipment.

1. Read Instructions- All the safety and operating instructions should be read before the product is operated.
2. Retain Instructions- The safety and operating instructions should be retained for future reference.
3. Heed Warnings- All warnings on the product and in the operating instructions should be adhered to.
4. Follow Instructions- All operating and use instructions should be followed.

FOR YOUR PERSONAL SAFETY

1. When the power cord or plug is damaged or frayed, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
2. Do not overload wall outlets and extension cords as this can result in fire or electric shock.
3. Do not allow anything to rest on or roll over the power cord, and do not place the TV where power cord is subject to traffic or abuse. This may result in a shock or fire hazard.
4. Do not attempt to service this television set yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
5. Never push objects of any kind into this television set through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the television set.
6. If the television set has been dropped or the cabinet has been damaged, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
7. If liquid has been spilled into the television set, unplug this television set from the wall outlet and refer servicing to qualified service personnel.
8. Do not subject your television set to impact of any kind. Be particularly careful not to damage the picture tube surface.
9. Unplug this television set from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

10.1. Do not place this television set on an unstable cart, stand, or table. The television set may fall, causing serious injury to a child or an adult, and serious damage to the appliance. Use only with a cart or stand recommended by the manufacturer, or sold with the television set. Wall or shelf mounting should follow the manufacturer's instructions, and should use a mounting kit approved by the manufacturer.

10.2. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

PROTECTION AND LOCATION OF YOUR SET

11. • Do not use this television set near water ... for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, etc.
    • Never expose the set to rain or water. If the set has been exposed to rain or water, unplug the set from the wall outlet and refer servicing to qualified service personnel.

12. Choose a place where light (artificial or sunlight) does not shine directly on the screen.

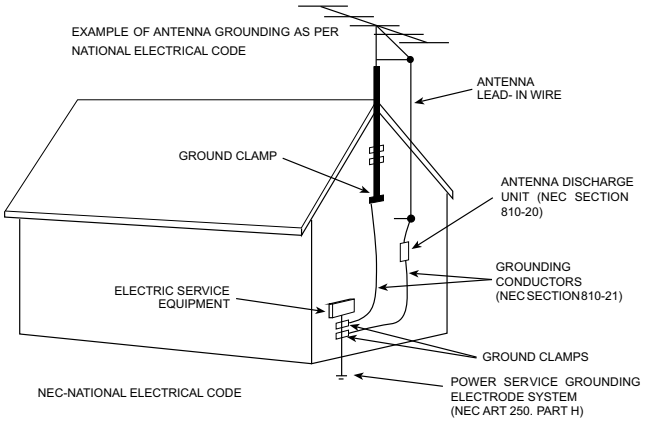
13. Avoid dusty places, since piling up of dust inside TV chassis may cause failure of the set when high humidity persists.

14. The set has slots, or openings in the cabinet for ventilation purposes, to provide reliable operation of the receiver, to protect it from overheating. These openings must not be blocked or covered.
    • Never cover the slots or openings with cloth or other material.
    • Never block the bottom ventilation slots of the set by placing it on a bed, sofa, rug, etc.
    • Never place the set near or over a radiator or heat register.
    • Never place the set in a "built-in" enclosure, unless proper ventilation is provided.

PROTECTION AND LOCATION OF YOUR SET

15.1. If an outside antenna is connected to the television set, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges, Section 810 of the National Electrical Code, NFPA No. 70-1975, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrode, and requirements for the grounding electrode.

EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE INSTRUCTIONS


EXAMPLE OF ANTENNA GROUNDING AS PER NATIONAL ELECTRICAL CODE
ANTENNA LEAD- IN WIRE
GROUND CLAMP
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
ELECTRIC SERVICE EQUIPMENT
GROUND CLAMPS
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250. PART H)
NEC-NATIONAL ELECTRICAL CODE

15.2. Note to CATV system installer : (Only for the television set with CATV reception)

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

16. An outside antenna system should not be located in the vicinity of overhead power lines or other electric lights or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17. For added protection for this television set during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna. This will prevent damage due to lightning and power-line surges.

OPERATION OF YOUR SET

18. This television set should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply at your home, consult your television dealer or local power company. For television sets designed to operate from battery power, refer to the operating instructions.
19. If the television set does not operate normally by following the operating instructions, unplug this television set from the wall outlet and refer servicing to qualified service personnel. Adjust only those controls that are covered in the operating instructions as improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the television set to normal operation.
20. When going on a holiday : If your television set is to remain unused for a period of time, for instance, when you go on a holiday, turn the television set "off" and unplug the television set from the wall outlet.

IF THE SET DOES NOT OPERATE PROPERLY

21. If you are unable to restore normal operation by following the detailed procedure in your operating instructions, do not attempt any further adjustment. Unplug the set and call your dealer or service technician.
22. Whenever the television set is damaged or fails, or a distinct change in performance indicates a need for service, unplug the set and have it checked by a professional service technician.
23. It is normal for some TV sets to make occasional snapping or popping sounds, particularly when being turned on or off. If the snapping or popping is continuous or frequent, unplug the set and consult your dealer or service technician.

FOR SERVICE AND MODIFICATION

24. Do not use attachments not recommended by the television set manufacturer as they may cause hazards.
25. When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
26. Upon completion of any service or repairs to the television set, ask the service technician to perform routine safety checks to determine that the television is in safe operating condition.

2.Product Specification

Model No.: 42M901

Environment			
Environment Temperature	Operation Temperature (℃)	0～45	
	Store Temperature (℃)	-10~60	
Humidity	Operation Humidity (%)	<=80%	
	Store Humidity (%)	<=90%	
Air Pressure (kps)		86～106	
Screen Parameter			
Screen Size	42“	Angle of View (H/V)	160°/160°
Max. Resolution	852 x 480	Responsive Time	um
Ratio	■16:9 □4:3	Image Size(mm x mm)	1.08 × 1.08
Contrast (Darkness, Nakedness)	1000:1	Color Temperature(°K)	Warm：9300
峰值亮度(cd/m²)	1000		Cool：11000
颜色数	Supporting 16.7 M	Max. V. Frequency(Hz)	TV: 60Hz / PC: 85Hz
Supporting Pic. Format	□1920×1080i □1920×1152i	Max. H. Frequency(Hz)	TV:15.7kHz / PC: 69kHz
	□1440×1080i ■1280×720p		
	□1280×720i ■720×480p		
Color system(AV)			
■PAL	PAL - M	■NTSC 3,58	■SECAM
PAL - N	■NTSC 4,43	Comb-Filter: ■NTSC	■PAL
PC Signal			
■VGA	■SVGA	■XGA	□WXGA
□SXGA	□True XGA		
Antenna Receiving			
■PAL - D/K	■PAL - I	NTSC-M	
■PAL - BG	PAL - N	NTSC4.43	

PAL - M	■SECAM -D/K I BG	■ SECAM-L	

Special Features

□100 Hz Progressive Scan	■Black and White Mode	■Smart Picture	■DLTI
■50/60 Hz Progressive Scan	■Child Lock	■MADA	■DCTI
■Black Stretch	■PIP (PC、DVI Mode)	Picture Dynamic Reduce Noise	■Timer On/Off
■Color Temperature Adjustment			

Stereo

■Nicam	□MTS	□FM-FM	■German Stereo
□ BTSC			

Program

□Program Auto Mark	■Program Compositor	■Channels: 99
■ Auto Searching	□Manual Searching	■Tuning

Teletext

Type:	Pages:

Audio

□Insert SPK.	■ Insert Amplifier	■Sound Effect	■AVC
■Output Power(W)	2×6W	■DVSS	□Balance (Steps： 5)

■Sound Effect Adjustment： Bass Treble ■Balance □Others：Five Bands Equalizer

Display

OSD(14 languages)	English, French, German, Italian, Russian, Denish, Finnish, Czech, Greece, Portuguese, Spanish, Turkish, Croatia, Dutch

Adjustment via OSD

■Contrast	■Chroma	■H/V - size（PC）	□Picture Rotation
■Brightness	■Tint	■H/V - place （PC）	

Power Supply

Max. Power Consumption(W) ：	300	Voltage（V/Hz） ：	110/220V 50/60 Hz
Standby Power Consumption (W)	1.5	■Switch on/off	■Auto stand-by（Timer：Min）

Accessories

■Remote Controller	■Stand	■Bracket Accessories (Optional)	□Scart Line (m)

■Set Top Box ■Bracket (Optional) ■Power Supply LIne (1.8 m) ■Antenna (1.8 m)

■Speakers ■VGA line (Type：DB15)

Connector 列表

Screen	☐Antenna Input	☐BNC IEC	☐Others：
	Video Terminal		
	■VGA Input (Type：D-15 Pins Quantity： 1)		☐VGA Output (Type：Quantity：)
	■ DVI Input Type：DVI-I 29Pins Quantity：1)		
	☐YUV Input (With Audio) (☐RCA ☐ BNC Quantity：1)		
	■Y, Cr, Cb Input(■RCA ☐BNC Quantity：1, Remarks：Input via Y in YUV)		
	☐ S-Video Input Quantity：( ) ☐S-Video Output (Quantity:)		
	☐SCART (☐Full SCART ☐Video Input ☐ YUV Input ☐ S-Video ☐ RGB☐ Video Output)		
	☐Others Video or (AV) Output or Input：		
	Audio Connector		
	☐Audio Input (☐RCA ☐Others：Φ3.5)		☐Audio Output 5.1
	☐Audio OutputL/R (☐RCA ☐Others：		☐Bass Output (Audio Jack)
	☐Audio 数字同轴 (RCA)	☐Audio digital optical	☐Speaker Output
Set Top Box	■Antenna Input	☐BNC ■IEC	☐Others：
	Video Connector		
	☐VGA Input (Type： Quantity：) ☐VGA Output (Type： Quantity：)		
	■Y,Cb,Cr Input (■RCA ☐ BNC Quantity：1)		
	■AV Input (■RCA ☐BNC Quantity：2)		
	■ S-Video Input (Quantity：2) ☐S-Video Output (Quantity：)		
	■SCART (■Full SCART ■Combined Video Input ■ S-Video ■ RGB ■ Video Output)		
	■Others Video or Combined AV Output or Input：		
	Audio Connector		
	■Audio Input (■SCART ☐Others：		☐Audio Output 5.1
	☐Audio OutputL/R (☐RCA ■Φ3.5)		■Bass Output (Audio Jack)
	☐Audio Digital Coaxial (RC/	☐Audio digital optical	■Speaker Output (Innert Amplifier)

Remarks ：The communication of Screen and Set top box via Sub-15 port.

Packing			
Unit Size(w×h×d, mm)	1029*624*95	Net Weight(kg)	
Packing Size(w×h×d, mm)	1180*460*775	Gross Weight(kg)	

3. BOM LIST

Item No.	Description	Quantity	Designator	Remarks
08-42261D-IRY		1		
11-IRR001-1X0	IR RECEIVER MODULE HS0038A2	1	IR001	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q001	
11-SC1815-YBX	TRANSISTOR 2SC1815Y	1	Q002	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R001	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R002	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R003	
18-CB0102-JNX	RES. C.F. 1K OHM 1/6W +/-5%	1	R004	
25-BBB470-M1X	CAP. ELEC 47 UF 10V +/-20%	1	C002	
26-EBP103-ZFX	CAP. CER 0.01UF 50V +80/-20% F	1	C001	
40-DP4226-IRC	IR RECEIVE BD	1		
46-27577H-05X	HS 5P24 285 F/W TJC3/JC25-5Y	1	P002	
14-LED03A-XX2	LED HFT503MP (RED/GREEN) 3mm	1	D001	
34-A100K0-1IX	COIL CHOKE 10UH +/-10%	1	L001	
08-42261D-KBY		1		
40-DP4226-KEC	P.C.B. KEY BD	1		
46-39131H-05X	HS 5P 2468#24 600 TJC3-5Y/JC25-5Y	1	P001	
48-TAC002-XX0	TACT SWITCH	1	SW001	
48-TAC002-XX0	TACT SWITCH	1	SW002	
48-TAC002-XX0	TACT SWITCH	1	SW003	
48-TAC002-XX0	TACT SWITCH	1	SW004	
08-42261D-SWY		1		
46-39210W-02X01	2PIN AMP BASE HORIZONTAL	1	P801	
46-39210W-02X01	2PIN AMP BASE HORIZONTAL	1	P802	
40-DP4226-SWB	P.C.B. SWITCH BD	1		
46-39317H-02X	HS 2P 1617#18 380 175152-2/17515-2	2		
48-POW001-XX0	SWITCH POWER KDC-A11 B2	1	SW800	
08-42261D-DIY		1		
09-0BAV99-ATX	HIGH SPEED DOUBLE DIODE BAV99	1	D1	
09-0BAV99-ATX	HIGH SPEED DOUBLE DIODE BAV99	1	D2	
09-0BAV99-ATX	HIGH SPEED DOUBLE DIODE BAV99	1	D3	
09-0BAV99-ATX	HIGH SPEED DOUBLE DIODE BAV99	1	D4	
09-0BAV99-ATX	HIGH SPEED DOUBLE DIODE BAV99	1	D9	
09-0BAV99-ATX	HIGH SPEED DOUBLE DIODE BAV99	1	D10	
09-0BAV99-ATX	HIGH SPEED DOUBLE DIODE BAV99	1	D11	
09-0BAV99-ATX	HIGH SPEED DOUBLE DIODE BAV99	1	D12	

Item No.	Description	Quantity	Designator	Remarks
09-0BAV99-ATX	HIGH SPEED DOUBLE DIODE BAV99	1	D13	
09-RLZ5B6-DTX	SMD DIODE RLZ5.6BTE11	1	D6	
09-RLZ5B6-DTX	SMD DIODE RLZ5.6BTE11	1	D7	
09-RLZ5B6-DTX	SMD DIODE RLZ5.6BTE11	1	D8	
09-RLZ5B6-DTX	SMD DIODE RLZ5.6BTE11	1	D14	
09-RLZ5B6-DTX	SMD DIODE RLZ5.6BTE11	1	D15	
09-RLZ5B6-DTX	SMD DIODE RLZ5.6BTE11	1	D16	
10-1N5820-F0X	DIODE 1N5820	1	D5	
12-BC847A-0BX	SMD TRANSISTOR BC847A (NPN)	1	Q21	
12-BC847A-0BX	SMD TRANSISTOR BC847A (NPN)	1	Q20	
12-BS3904-0BX	SMD TRANSISTOR PMBS3904	1	Q10	
12-BS3904-0BX	SMD TRANSISTOR PMBS3904	1	Q11	
12-BS3904-0BX	SMD TRANSISTOR PMBS3904	1	Q12	
12-BS3904-0BX	SMD TRANSISTOR PMBS3904	1	Q13	
12-BS3904-0BX	SMD TRANSISTOR PMBS3904	1	Q14	
12-BS3904-0BX	SMD TRANSISTOR PMBS3904	1	Q15	
12-SK3019-0BX	SMD. TRANSISTOR 2SK3019	1	Q16	
12-SK3019-0BX	SMD. TRANSISTOR 2SK3019	1	Q17	
12-SK3019-0BX	SMD. TRANSISTOR 2SK3019	1	Q18	
12-SK3019-0BX	SMD. TRANSISTOR 2SK3019	1	Q19	
13-000040-53B	IC 4053 (SMD)	1	U42	
13-0082B7-15B	IC P82B715TD	1	U29	
13-0082B7-15B	IC P82B715TD	1	U30	
13-024LC1-6BB	IC 24LC16B	1	U22	
13-024LC2-1AP	IC 24LC21A	1	U8	
13-0AD988-3AB	IC AD9883	1	U3	
13-0DS181-9CB	IC DS1819CR5	1	U27	
13-74HC54-1DB	IC 74HC541D	1	U32	
13-74HC54-1DB	IC 74HC541D	1	U33	
13-74HC54-1DB	IC 74HC541D	1	U34	
13-74HC54-1DB	IC 74HC541D	1	U35	
13-89C205-12P	IC AT89C2051-24PI(DIP)	1	U40	
13-AIC111-7MB	IC AIC1117MPX-2.5	1	U9	
13-BGA388-00B	IC BGA388	1	U11	
13-F040PC-90P	IC 4M FLASH MEMERY MX29F040	1	U23	
13-FLI220-00B	IC FLI2200	1	U6	
13-IC1084-CMB	IC AIC1084-33CM 3.3V (TO-263)	1	U5	

Item No.	Description	Quantity	Designator	Remarks
13-K4S643-23B	IC K4S643232C-TC60	1	U7	
13-K4S643-23B	IC K4S643232C-TC60	1	U12	
13-K4S643-23B	IC K4S643232C-TC60	1	U13	
13-LD1117-33B	IC LD1117 3.3V	1	U38	
13-LD1117-33B	IC LD1117 3.3V	1	U1	
13-LM2596-S3B	IC LM2596S-3.3	1	U25	
13-MAX232-CSB	IC MAX232 CSE	1	U31	
13-P80C32-UBB	IC P80C32UBA(PLCC44)	1	U19	
13-RT9172-N25	IC RT9172N-25CM5	1	U26	
13-SII161-00B	IC SII161BCT100	1	U36	
13-SII164-00B	IC SII164	1	U39	
13-SN74AH-C1B	IC SN74AHC139	1	U20	
13-SN74HC-37B	IC SN74HC373	1	U21	
13-TB1274-AFB	IC TB1274AF	1	U41	
19-BB0000-FTX	SMD. RES O OHM 1/10W +/-1%	1	R157	
19-BB0000-FTX	SMD. RES O OHM 1/10W +/-1%	1	R158	
19-BB0000-FTX	SMD. RES O OHM 1/10W +/-1%	1	R58	
19-BB0000-FTX	SMD. RES O OHM 1/10W +/-1%	1	R59	
19-BB0000-FTX	SMD. RES O OHM 1/10W +/-1%	1	R250	
19-BB0000-FTX	SMD. RES O OHM 1/10W +/-1%	1	R259	
19-BB0000-FTX	SMD. RES O OHM 1/10W +/-1%	1	R260	
19-BB0000-FTX	SMD. RES O OHM 1/10W +/-1%	1	R211	
19-BB0000-FTX	SMD. RES O OHM 1/10W +/-1%	1	R212	
19-BB0000-FTX	SMD. RES O OHM 1/10W +/-1%	1	R213	
19-BB0000-FTX	SMD. RES O OHM 1/10W +/-1%	1	R78	
19-BB0000-FTX	SMD. RES O OHM 1/10W +/-1%	1	R35	
19-BB0000-FTX	SMD. RES O OHM 1/10W +/-1%	1	R39	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	0R1	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	OR2	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	OR3	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	OR4	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	R54	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	R23	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	R55	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	R57	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	R102	
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	R261	

Item No.	Description	Quantity	Designator	Remarks
19-BB0100-JTX	RES. SMD 10 OHM 1/10W +/-5%	1	R56	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R137	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R138	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R141	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R143	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R144	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R32	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R44	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R45	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R46	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R47	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R254	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R255	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R178	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R179	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R28	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R36	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R116	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R118	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R122	
19-BB0750-JTX	SMD. RES 75 OHM 1/10W +/-5%	1	R129	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R130	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R134	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	OR11	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R252	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R48	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R49	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R111	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R281	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R131	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R136	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R147	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R227	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R3	
19-BB0332-JTX	SMD. RES 3.3k OHM 1/10W +/-5%	1	R128	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R6	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R10	

Item No.	Description	Quantity	Designator	Remarks
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R18	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R19	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R20	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R21	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R22	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R50	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R51	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R52	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R61	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R62	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R63	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R71	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R95	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R104	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R235	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R236	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R237	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R238	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R239	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R240	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R256	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R153	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R243	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R244	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R245	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R246	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R247	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R251	
19-BB0104-JTX	SMD. RES 100k OHM 1/10W +/-5% 0805	1	R105	
19-BB0330-JTX	SMD. RES 33 OHM 1/10W +/-5% 0805	1	R127	
19-BB0121-JTX	SMD. RES 120 OHM 1/10W +/-5%	1	R7	
19-BB0151-JTX	RES. SMD 150 OHM 1/10W +/-5%	1	R13	
19-BB0151-JTX	RES. SMD 150 OHM 1/10W +/-5%	1	R8	
19-BB0151-JTX	RES. SMD 150 OHM 1/10W +/-5%	1	R11	
19-BB0151-JTX	RES. SMD 150 OHM 1/10W +/-5%	1	R12	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R15	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R16	

Item No.	Description	Quantity	Designator	Remarks
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R53	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R60	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R64	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R65	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R70	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R72	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R73	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R74	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R75	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R76	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R101	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R165	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R226	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R27	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R31	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R156	
19-BB0223-JTX	SMD. RES 22k OHM 1/10W +/-5%	1	R25	
19-BB0223-JTX	SMD. RES 22k OHM 1/10W +/-5%	1	R26	
19-BB0272-JTX	SMD. RES 2.7k OHM 1/10W +/-5%	1	R269	
19-BB0273-JTX	SMD. RES 27k OHM 1/10W +/-5%	1	R248	
19-BB0330-JTX	SMD. RES 33 OHM 1/10W +/-5% 0805	1	R120	
19-BB0330-JTX	SMD. RES 33 OHM 1/10W +/-5% 0805	1	R115	
19-BB0332-JTX	SMD. RES 3.3k OHM 1/10W +/-5%	1	R117	
19-BB0332-JTX	SMD. RES 3.3k OHM 1/10W +/-5%	1	R133	
19-BB0332-JTX	SMD. RES 3.3k OHM 1/10W +/-5%	1	R140	
19-BB0332-JTX	SMD. RES 3.3k OHM 1/10W +/-5%	1	R149	
19-BB0332-JTX	SMD. RES 3.3k OHM 1/10W +/-5%	1	R152	
19-BB0272-JTX	SMD. RES 2.7k OHM 1/10W +/-5%	1	R2	
19-BB0333-JTX	SMD. RES 33k OHM 1/10W +/-5%	1	R234	
19-BB0391-FTX	RES. SMD 390OHM 1/10W +/-1%	1	R164	
19-BB0470-JTX	SMD. RES 47 OHM 1/10W +/-5%	1	R155	
19-BB0470-JTX	SMD. RES 47 OHM 1/10W +/-5%	1	R233	
19-BB0471-JTX	SMD. RES 470 OHM 1/10W +/-5%	1	R142	
19-BB0471-JTX	SMD. RES 470 OHM 1/10W +/-5%	1	R150	
19-BB0471-JTX	SMD. RES 470 OHM 1/10W +/-5%	1	R154	
19-BB0471-JTX	SMD. RES 470 OHM 1/10W +/-5%	1	R249	
19-BB0471-JTX	SMD. RES 470 OHM 1/10W +/-5%	1	R253	

Item No.	Description	Quantity	Designator	Remarks
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R68	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R119	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R145	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R146	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R159	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R40	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R161	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R162	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R163	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R167	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R168	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R4	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R5	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R172	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R173	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R174	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R175	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R176	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R177	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R224	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R225	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R24	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R93	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R94	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R41	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R229	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R77	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R67	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R228	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R279	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	R280	
19-BB0472-JTX	SMD. RES 4.7k OHM 1/10W +/-5%	1	0R13	
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R123	
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R103	
19-BB0511-JTX	RES. SMD 510 OHM 1/10W +/-5%	1	R232	
19-BB0750-FTX	SMD. RES 75 OHM 1/10W +/-1%	1	R139	
19-BB0750-FTX	SMD. RES 75 OHM 1/10W +/-1%	1	R148	

Item No.	Description	Quantity	Designator	Remarks
19-BB0750-FTX	SMD. RES 75 OHM 1/10W +/-1%	1	R151	
19-BB0750-FTX	SMD. RES 75 OHM 1/10W +/-1%	1	R29	
19-BB0750-FTX	SMD. RES 75 OHM 1/10W +/-1%	1	R33	
19-BB0750-FTX	SMD. RES 75 OHM 1/10W +/-1%	1	R37	
19-BB1370-FTX	RES. SMD. 137 OHM 1/10W +/-1%	1	R30	
19-BB1370-FTX	RES. SMD. 137 OHM 1/10W +/-1%	1	R38	
19-BB1370-FTX	RES. SMD. 137 OHM 1/10W +/-1%	1	R34	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP30	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP31	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP32	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP33	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP34	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP35	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP36	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP16	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP17	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP18	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP19	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP20	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP21	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP22	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP23	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP24	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP25	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP26	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP28	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP27	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP37	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP39	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP41	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP1	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP2	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP3	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP4	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP5	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP6	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP7	

Item No.	Description	Quantity	Designator	Remarks
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP8	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP9	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP10	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP11	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP12	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP13	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP14	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP15	
23-A08220-JBX	NETWORK RES. 22 OHM +/-5%	1	RP29	
28-BB0100-JCX	SMD. CAP 10 PF 50V +/-5%	1	C94	
28-BB0100-JCX	SMD. CAP 10 PF 50V +/-5%	1	C37	
28-BB0100-JCX	SMD. CAP 10 PF 50V +/-5%	1	C221	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C386	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C387	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C406	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C407	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C408	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C409	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C411	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C85	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C86	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C375	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C89	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C96	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C97	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C102	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C103	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C105	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C117	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C424	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C427	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C429	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C476	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C432	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C435	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C439	
28-BB0102-KBX	SMD CAP. 0.001UF 50V B 0805	1	C441	

Item No.	Description	Quantity	Designator	Remarks
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C417	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C418	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C419	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C420	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C421	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C449	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C456	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C462	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C469	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C472	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C473	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C10	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C380	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C390	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C392	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C393	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C394	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C395	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C397	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C398	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C399	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C404	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C412	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C413	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C414	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C416	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C3	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C8	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C9	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C11	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C13	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C15	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C17	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C19	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C26	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C27	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C28	

Item No.	Description	Quantity	Designator	Remarks
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C29	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C30	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C31	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C32	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C33	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C34	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C39	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C40	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C45	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C46	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C47	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C48	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C49	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C50	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C51	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C52	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C53	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C54	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C55	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C56	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C57	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C59	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C60	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C61	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C62	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C63	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C65	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C64	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C66	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C67	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C68	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C69	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C70	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C71	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C72	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C73	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C74	

Item No.	Description	Quantity	Designator	Remarks
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C87	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C98	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C99	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C100	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C101	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C107	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C108	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C109	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C111	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C113	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C115	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C118	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C119	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C120	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C122	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C123	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C125	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C124	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C126	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C127	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C128	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C129	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C130	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C131	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C132	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C133	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C134	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C135	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C136	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C137	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C138	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C139	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C140	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C142	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C141	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C143	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C146	

Item No.	Description	Quantity	Designator	Remarks
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C147	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C148	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C149	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C150	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C151	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C152	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C153	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C154	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C155	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C156	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C157	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C158	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C159	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C160	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C161	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C162	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C163	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C164	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C165	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C166	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C167	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C168	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C169	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C202	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C204	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C209	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C211	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C212	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C213	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C214	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C216	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C224	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C425	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C428	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C430	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C433	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C436	

Item No.	Description	Quantity	Designator	Remarks
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C438	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C440	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C442	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C448	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C451	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C452	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C453	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C458	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C459	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C460	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C461	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C464	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C466	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C467	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C194	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C192	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C478	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C16	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C171	
28-BB0120-JCX	SMD. CAP 12 pF 50VDC +/-5%	1	C198	
28-BB0120-JCX	SMD. CAP 12 pF 50VDC +/-5%	1	C199	
28-BB0120-JCX	SMD. CAP 12 pF 50VDC +/-5%	1	C446	
28-BB0120-JCX	SMD. CAP 12 pF 50VDC +/-5%	1	C447	
28-BB0120-JCX	SMD. CAP 12 pF 50VDC +/-5%	1	C480	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C463	
28-BB0180-JCX	SMD. CAP 18 PF 50V +/-5%	1	C403	
28-BB0200-JCX	SMD. CAP 20 PF 50V +/-5%	1	C36	
28-BB0220-JCX	SMD. CAP 22 PF 50V +/-5%	1	C400	
28-BB0220-JCX	SMD. CAP 22 PF 50V +/-5%	1	C401	
28-BB0220-JCX	SMD. CAP 22 PF 50V +/-5%	1	C402	
28-BB0229-BCX	SMD. CAP 2.2 pF 50V +/-0.1pF (0805)	1	C76	
28-BB0229-BCX	SMD. CAP 2.2 pF 50V +/-0.1pF (0805)	1	C78	
28-BB0229-BCX	SMD. CAP 2.2 pF 50V +/-0.1pF (0805)	1	C80	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C379	
28-BB0101-JCX	SMD CAP. 100 PF 50V C 0805	1	C371	
28-BB0822-KBX	SMD. CAP 8200PF 50V +/-10 0805	1	C6	
28-BB0823-ZFX	CAP.SMD 0.082UF 50V 80-20 0805	1	C5	

Item No.	Description	Quantity	Designator	Remarks
28-BB0470-JCX	SMD. CAP 47 PF 50V +/-5%	1	C381	
28-BB0470-JCX	SMD. CAP 47 PF 50V +/-5%	1	C382	
28-BB0473-ZFX	SMD. CAP 0.047UF 50V +80%-20%	1	C20	
28-BB0473-ZFX	SMD. CAP 0.047UF 50V +80%-20%	1	C22	
28-BB0473-ZFX	SMD. CAP 0.047UF 50V +80%-20%	1	C24	
28-BB0479-JCX	SMD. CAP 4.7PF 50V +/-5%	1	C370	
28-BB0479-JCX	SMD. CAP 4.7PF 50V +/-5%	1	C374	
28-BB0479-JCX	SMD. CAP 4.7PF 50V +/-5%	1	C378	
28-BB0479-JCX	SMD. CAP 4.7PF 50V +/-5%	1	C21	
28-BB0479-JCX	SMD. CAP 4.7PF 50V +/-5%	1	C23	
28-BB0479-JCX	SMD. CAP 4.7PF 50V +/-5%	1	C25	
28-BB0479-JCX	SMD. CAP 4.7PF 50V +/-5%	1	C454	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	C18	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	C41	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	C43	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	C58	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	C44	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	C205	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	C369	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	C372	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	C377	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	C450	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	C468	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	C470	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	C471	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	C477	
28-CC0476-MTX	TANTALUM CAP. 47 UF 16V +/-20% 6032	1	C193	
28-CD0106-MTX	TANTALUM CAP. 10 UF 25VDC +/-20%	1	C422	
28-CD0106-MTX	TANTALUM CAP. 10 UF 25VDC +/-20%	1	C423	
28-CD0106-MTX	TANTALUM CAP. 10 UF 25VDC +/-20%	1	C445	
28-DC0107-MTX	TANTALUM CAP. 100 UF 16VDC +/-20%	1	C203	
28-RD0227-MAX	ALUMINIUM CAP. 220 UF 25V +/-20%	1	C226	
28-DC0107-MTX	TANTALUM CAP. 100 UF 16VDC +/-20%	1	C443	
28-DC0107-MTX	TANTALUM CAP. 100 UF 16VDC +/-20%	1	C444	
28-DC0107-MTX	TANTALUM CAP. 100 UF 16VDC +/-20%	1	C195	
28-DC0107-MTX	TANTALUM CAP. 100 UF 16VDC +/-20%	1	C479	
28-RD0227-MAX	ALUMINIUM CAP. 220 UF 25V +/-20%	1	C201	

Item No.	Description	Quantity	Designator	Remarks
28-RD0477-MAX	ALUMINIUM CAP. 470 UF 25V +/-20%	1	C200	
28-RD0477-MAX	ALUMINIUM CAP. 470 UF 25V +/-20%	1	C84	
28-RD0477-MAX	ALUMINIUM CAP. 470 UF 25V +/-20%	1	C83	
28-RD0477-MAX	ALUMINIUM CAP. 470 UF 25V +/-20%	1	C82	
28-RD0477-MAX	ALUMINIUM CAP. 470 UF 25V +/-20%	1	C81	
28-RD0477-MAX	ALUMINIUM CAP. 470 UF 25V +/-20%	1	C170	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C383	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C389	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C391	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C405	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C410	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C415	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C426	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C431	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C434	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C437	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C2	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C38	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C4	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C88	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C90	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C91	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C95	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C104	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C114	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C116	
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C121	
28-XC0225-MTX	TANTALUM CAP. 2.2 UF 16V +/-20%	1	C465	
28-XC0226-MTX	SMD. CAP 22 UF 16V +/-20%	1	C1	
28-XC0226-MTX	SMD. CAP 22 UF 16V +/-20%	1	C144	
28-XC0226-MTX	SMD. CAP 22 UF 16V +/-20%	1	C145	
28-XC0226-MTX	SMD. CAP 22 UF 16V +/-20%	1	C206	
28-XC0226-MTX	SMD. CAP 22 UF 16V +/-20%	1	C207	
28-XC0226-MTX	SMD. CAP 22 UF 16V +/-20%	1	C208	
28-XC0226-MTX	SMD. CAP 22 UF 16V +/-20%	1	C396	
28-XC0226-MTX	SMD. CAP 22 UF 16V +/-20%	1	C110	
28-XC0226-MTX	SMD. CAP 22 UF 16V +/-20%	1	C475	

Item No.	Description	Quantity	Designator	Remarks
28-XC0475-MTX	TANTALUM CAP. 4.7 UF 16V +/-20% B	1	C112	
28-XC0475-MTX	TANTALUM CAP. 4.7 UF 16V +/-20% B	1	C106	
28-XC0475-MTX	TANTALUM CAP. 4.7 UF 16V +/-20% B	1	C457	
28-YC0105-MTX	TANTALUM CAP.1 UF 16V +/-20% 3216	1	C42	
28-YC0474-MTX	SMD.CAP. 0.47UF 16V +/-20%	1	C455	
33-ELL339-KTX	SMD. COIL 3.3 UH +/-10% 0805	1	L6	
33-ELL339-KTX	SMD. COIL 3.3 UH +/-10% 0805	1	L7	
33-ELL339-KTX	SMD. COIL 3.3 UH +/-10% 0805	1	L8	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	L2	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	L3	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	L4	
33-ELM100-KTX	SMD. COIL 10UH +/-10% 0805	1	L12	
33-ELM100-KTX	SMD. COIL 10UH +/-10% 0805	1	L13	
33-ELM100-KTX	SMD. COIL 10UH +/-10% 0805	1	L14	
33-ELM100-KTX	SMD. COIL 10UH +/-10% 0805	1	L15	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB82	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB46	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB76	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB10	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB54	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB73	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB74	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB1	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB2	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB6	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB8	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB9	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB11	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB12	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB13	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB14	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB15	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB16	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB17	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB18	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB19	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB20	

Item No.	Description	Quantity	Designator	Remarks
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB21	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB22	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB23	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB24	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB25	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB26	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB27	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB30	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB35	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB42	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB28	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB45	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB29	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB37	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB52	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB62	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB63	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB64	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB67	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB70	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB71	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB72	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB77	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB78	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB79	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB80	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB81	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB34	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB33	
33-GLL101-KTX	SMD. COIL 100 UH +/-10% CMI3216	1	L11	
33-GLL101-KTX	SMD. COIL 100 UH +/-10% CMI3216	1	L16	
33-GLN190-NTX	CHIP BEAD 19 OHM +/-25% (3216)	1	L10	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	C181	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	C182	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	C186	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	C187	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	C188	

Item No.	Description	Quantity	Designator	Remarks
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB4	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB32	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB36	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB39	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB40	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB41	
33-GLN121-NTX	CHIP BEAD 120 OHM +/-25%	1	FB83	
33-GLN190-NTX	CHIP BEAD 19 OHM +/-25% (3216)	1	C196	
36-LIF027-XX0	LINE FILTER LC-33A-TCL	1	L1	
40-DP4226-DIA	P.C.B. BD	1		
45-OSC14M-3N0	CRYSTAL 14.318MHz	1	U10	
45-OSC16M-2Y0	CRYSTAL JAS16T 16.2M	1	Y4	
45-OSC24M-5N0	CRYSTAL 24.576 MHZ	1	Y3	
45-OSC27M-0Y3	CRYSTAL 27MHz	1	Y2	
46-33079W-05X	PIN BASE *5 TJC3-5A	1	J7B	
46-33079W-05X	PIN BASE *5 TJC3-5A	1	J7C	
46-35199W-05X	CONN.PH-5A 5PIN PITCH=2.0MM	1	P8	
46-38614W-41X	PIN BASE DF9B-41P-1V	1	JH1	
46-39000W-25X	SOCKET 25PIN	1	JH2	
46-39191H-12X	HS 12P 1007#26 350mm EI-12Y/SCN-12Y	1	P6	
46-39298H-07X	HS 7P 1007#26 120 EI-7Y/SCN-7Y	1	J8	
46-39315H-25X	HS 21PIN TO 25PIN CABLE L=200MM	1		
47-340971-50X	VGA SOCKET	1	P1	
47-340971-50X	VGA SOCKET	1	P12	
47-DVI001-KX0	DVI SOCKET KL-DIV024-04A	1	P13	
47-ICS003-XX0	IC JACK	1		FOR U23
47-ICS009-XX0	IC SOCKET 8P	1		FOR U37
47-ICS009-XX0	IC SOCKET 8P	1	FOR U8	
47-ICS014-XX0	20PIN IC SOCKET KL-IC-20N-E	1		FOR U40
47-RCA109-HX0	3P RCA SOCKET AV-3.2-3W-X1(R/B/G)	1	P11	
47-VGA008-KX0	VGA SOCKET KL-PC09M-02 (FEMALE)	1	JDP1	
48-TAC001-XX0	TACT SWITCH	1	SW1	
28-BD0105-ZFX	SMD CAP 1UF 25V +80-20%	1	C75	
28-BD0105-ZFX	SMD CAP 1UF 25V +80-20%	1	C77	
28-BD0105-ZFX	SMD CAP 1UF 25V +80-20%	1	C79	
28-BD0105-ZFX	SMD CAP 1UF 25V +80-20%	1	C225	
23-A08101-JBX	NETWORK RES. 100 OHM +/-5%	1	RP40	

Item No.	Description	Quantity	Designator	Remarks
28-XC0106-MTX	TANTALUM CAP.10 UF 16V +/-20%	1	C483	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C495	
28-BB0103-ZFX	SMD. CAP 10NF 50V +80%-20%	1	C496	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R301	
19-BB0101-JTX	SMD. RES 100 OHM 1/10W +/-5%	1	R298	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R302	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R42	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R43	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	CS1	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	CS2	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	CS3	
33-GLN190-NTX	CHIP BEAD 19 OHM +/-25% (3216)	1	FB85	
67-387190-0A0	HEAT SINK	1		FOR U12
67-387190-0A0	HEAT SINK	1		FOR U13
67-387190-0A0	HEAT SINK	1		FOR U7
67-387190-1A0	HEAT SINK	1		FOR U11
67-387190-1A0	HEAT SINK	1		FOR U6
67-387200-1A0	HEAT SINK	1		FOR U3
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	0R45	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	0R46	
18-FH0479-JLX	RES. M.O. 4.7 OHM 3W +/-5%	1	R282	
18-FH0689-JLX	RES.C.C. 3W 6.8 OHM +/-5%	1	R283	
35-FB0928-004	ANTI-JAMMING CORE H16X9X28-HA	1		扣在数字板与显示屏驱动板之间的连线上
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R90	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R91	
09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	1	D17	
09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	1	D18	
09-LL4148-ATX	SMD. SWITCHING DIODE LL4148	1	D19	
19-BB0273-JTX	SMD. RES 27k OHM 1/10W +/-5%	1	R92	
19-BB0153-JTX	SMD. RES 15k OHM 1/10W +/-5%	1	R96	
19-BB0122-JTX	SMD. RES 1.2k OHM 1/10W +/-5%	1	R97	
19-BB0471-JTX	SMD. RES 470 OHM 1/10W +/-5%	1	R106	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R14	
19-BB0000-JTX	SMD. RES 0 OHM 1/10W +/-5%	1	R80	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C174	
28-XC0475-MTX	TANTALUM CAP. 4.7 UF 16V +/-20% B	1	C7	
19-BB0102-JTX	SMD. RES 1k OHM 1/10W +/-5%	1	R82	

Item No.	Description	Quantity	Designator	Remarks
19-BB0103-JTX	SMD. RES 10k OHM 1/10W +/-5%	1	R83	
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R85	
19-BB0473-JTX	SMD. RES 47k OHM 1/10W +/-5% 0805	1	R89	
12-BS3904-0BX	SMD TRANSISTOR PMBS3904	1	Q23	
12-BS3904-0BX	SMD TRANSISTOR PMBS3904	1	Q1	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R262	
13-SN74HC-14B	IC SN74HC14D-SOP14	1	U2	
33-ELN201-NTX	CHIP BEAD 200 OHM +/-25%	1	FB3	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	C12	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	CS4	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	CS5	
28-BB0104-ZFX	SMD CAP. 0.1 UF 50V +80/-20% 0805	1	CS6	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R86	
19-BB0220-JTX	SMD. RES 22 OHM 1/10W +/-5%	1	R87	
13-024LC2-1AP	IC 24LC21A	1	U37	
19-BB0681-JTX	SMD. RES 680 OHM 1/10W +/-5%	1	R166	
19-BB0681-JTX	SMD. RES 680 OHM 1/10W +/-5%	1	R169	
19-BB0681-JTX	SMD. RES 680 OHM 1/10W +/-5%	1	R170	
19-BB0681-JTX	SMD. RES 680 OHM 1/10W +/-5%	1	R171	
28-BB0272-KBX	SMD. CAP 2700pF 50V +/-10%	1	C388	
13-L7805C-VAP	IC L7805CV 1.5A (REGULATOR)	1	U4	
08-42261D-DP2		1		
54-703820-1U0	SP0NGE BAR	4		
54-703820-2U0	SP0NGE BAR	2		
54-703820-3U0	SP0NGE BAR	2		
54-703860-1U0	SP0NGE BAR	1		
54-703860-2U0	SP0NGE BAR	2		
54-703860-6U0	SP0NGE BAR	1		
54-703860-9U0	SP0NGE BAR	2		
54-708610-0U0	SPONGE PAD	2		FOR UP & LOW SUPPORT
54-708610-1U0	SPONGE PAD	2		FOR LEFT & RIGHT SUPPORT
54-708640-0U0	PVC INLAY	1		FOR POWER BOARD
55-705160-0CN1A	FRONT COVER	1		
56-4226PK-0HA1A	POWER KNOB	1		
56-4226SL-0HC1A	FRONT LENS	1		
56-700090-0HA1B	PUSH BUTTON	1		
58-4226MP-0UI1A	PLATE MODEL NO.	1		

Item No.	Description	Quantity	Designator	Remarks
63-B30060-BF3	S/T SCREW B 3.0 X 6 BF	1		MTG LED & FRONT FRAME
63-B30080-BT2	S/T SCREW B 3 X 8 BT	2		MTG BUTTON & M.FRAME
63-B30080-BT2	S/T SCREW B 3 X 8 BT	2		MTG COMTROL BD & M.FRAME
63-B30080-BT2	S/T SCREW B 3 X 8 BT	2		MTG LED BD & M.FRAME
63-B30080-BT2	S/T SCREW B 3 X 8 BT	4		MTG POWER BD & F.FRAME
63-B30080-BT2	S/T SCREW B 3 X 8 BT	2		MTG TERMINAL & TERMINAL PLATE
63-T40160-BF2	S/T SCREW T 4 X 16 BF	8		MTG MODULE & FRONT FRAME
63-T40160-BF2	S/T SCREW T 4 X 16 BF	14		MTG B.COVER & M.FRAME
63-W30080-BT4	S/T SCREW W 3 X 8 BT	26		MTG SUPPORTS & F.PANEL
64-B30060-103	M/C SCREW B 3 X 6	2		MTG P.BUPPORT & POWER
64-B30080-102	M/C SCREW B 3 X 8	2		MTG TERMINAL & T.PLATE
64-B40100-102	M/C SCREW B 4 X 10	9		MTG COVER & MAIN SUPPORTS
64-B50120-102	M/C SCREW B 5 X 12	4		MTG B.DISPLAY & MAIN SPEAKER
64-F30080-103	M/C SCERW F 3 X 8	2		MTG POWER & TERMINAL PLATE
64-S40080-104	M/C SCREW S 4 X 8	1		
64-S40120-102	MACHINE SCREW S 4X12	4		MTG MODULE & SUPPORT
64-Z30080-104	M/C SCREW 3.0 X 8	2		MTG SMALL SUPPORT & MODULE
64-Z30080-104	M/C SCREW 3.0 X 8	2		MTG AV BOARD & MODULE
64-Z30080-104	M/C SCREW 3.0 X 8	4		MTG DV BOARD & MODULE
63-T40160-BF2	S/T SCREW T 4 X 16 BF	4		MTG MODULE & FRONT FRAME
66-702620-0E2	SCREW POST	8		FOR TERMINAL
67-M70484-0A0	BRACKET "UP"	1		
67-M70485-1A0	BRACKET "LOWER"	1		
67-M70486-0A0	BRACKET "LEFT/RIGHT"	2		
67-M70487-0S0	SHRAPNEL	8		
67-M70488-0S0	SHRAPNEL	6		
67-M70515-0G0	MODULE LEFT BRACKET	1		
67-M70515-1G0	MODULE RIGHT BRACKET	1		
67-M70526-0G0	SMALL BRACKET	1		
67-M70527-0G0	SWITCH BRACKET	1		
67-P70523-1A91A	END SOM BOARD	1		
67-P70522-0A91A	BACK TOP BOARD	1		
4A-OPT42P-LG0	EMI GLASS	1		
67-L40070-0A01A	LOGO	1		
64-B50120-102	M/C SCREW B 5 X 12	4		MTG MODULE & SUPPORT
54-703860-7U0	SP0NGE BAR	1		
54-703860-8U0	SP0NGE BAR	1		

Item No.	Description	Quantity	Designator	Remarks
54-703860-5U0	SP0NGE BAR	1		用于调整压玻璃的紧度
57-702240-0UG	NYLON RIVET	2		MTG P.BOARD & PVC
54-706390-0U0	INSULATION PLATE	1		ADHIBIT BACK COVER
54-706400-0U0	INSULATION PLATE	1		ADHIBIT BACK COVER
08-42261D-DP3		1		
46-315020-00X	VGA CONNECT WIRE	1		
51-FC0180-0SU08	POWER CORD	1		
58-PVC000-0UI01	HOLDER INLAY	2		
72-PD4226-0011A	OPERATION MANUAL	1		
74-022032-6WE	POLYBAG (23cmX34cmX0.06mm)	1		
74-165110-20H	EPE+PO	1		FOR PDB MONITOR
75-4226BT-CC0	POLYFOAM "BT"	1		
75-4226TP-CC0	POLYFOAM "TP"	1		
49-204260-BAT	7# BATT. UM4 R03P SIZE AAA	2		
76-708620-0AT1A	CARTON BOX	1		
81-PD4226-PW1	42" POWER SUPPLY MODULE	1		
4A-SCR42P-LG1	PDP 42" KK MODULE	1		
06-090W37-A000X	ASSY - REMOTE HANDSET	1		
08-42261D-BBY		1		
55-705890-0HN1A	SOLEPLATE COVER	1		COVER OF BASE
56-705900-0HA1A	UPPER TOP	2		FTT ON FOOT
63-T40120-BF3	S/T SCREW T 4 X 12 BF	16		MTG BASE COVER
64-B30080-102	M/C SCREW B 3 X 8	2		MTG. FILLER
64-B40160-103	M/C SCREW B 4 X 16	8		CONN. BASE & FOOT
64-B50120-102	M/C SCREW B 5 X 12	4		CONN. STAND & DISPLAY
67-C70524-0A91A	BRACKET FOOT	2		ZINC CAST MTG WTTE BASE
67-M70525-0E0	SOLEPLATE	1		4mm METAL SHEET
74-702320-00C	POLYBAG (110cmX75cm)	1		PACK STAND
74-702360-52D	POLYBAG (150mmX100mmX0.05mm)	1		PACK 4NOS M5*20
75-706370-CC0	POLYFOAM	1		
57-702250-0HD	HOST FOOT PAD	12		FTT ON BASE
76-708630-0AT1A	CARTON BOX	1		
08-42261D-SPY		1		
42-G3516F-CX0	SPEAKER 16 OHM 8W	2		
47-SPK016-XX1	CONNECTOR SOCKET 2P PST-203A	2		
42-07816F-XX0	SPEAKER	4		
25-DFB229-M1X	CAP. ELEC 2.2 UF 50V +/-20% BP	2		

Item No.	Description	Quantity	Designator	Remarks
41-TF0150-9CC	WIRE 2PIN	4		
08-42261D-SP2		1		
54-700770-000	SPEAKER AIRPROOF STRIP 6mmX1mmX2000mm	2		ADHERE TO THE INSIDE OF SP BOX, EAR BOX
67-H70709-0A01A	CONNECT SLICE	4		MTG TO SPEAKER BOX
56-4226SG-0HN1A	SPERKER GRILLE	2		INTEGRATED WITH MESH FRAME
55-707010-0HA1A	SOUND BOX MIDDLE BOARD	2		
55-707000-0HA1A	SOUND BOX PANEL	2		MTG SPEAKER BOX
56-706990-0HA1A	RIGHT SOUND BOX BODY	1		MTG BELOW SP BOX
59-700340-000	POST STOPPLE	20		MTG SP PANEL & LOW CASE
63-B35100-AB4	S/T SCREW B 3.5 X 10 AB	20		EAR BOX TO SPEAKER BOX
63-B40150-BT2	S/T SCREW S 4X15	8		MTG TO SPEAKER BOX
56-706980-0HA1A	LEFT SOUND BOX BODY	1		
63-B40150-BT3	S/T SCREW S 4X15	16		打低音喇叭螺钉
63-B40150-BT3	S/T SCREW S 4X15	4		打高音喇叭螺钉
08-42261D-SP3		1		
74-121085-2FD	PLASTIC BAG	2		
74-702360-52D	POLYBAG (150mmX100mmX0.05mm)	1		PACK 4NOS M5*20
46-38571H-02X	AUDIO WIRE 3000mm WHITE/YELLOW	2		

4. *ALIGNMENT PROCEDURE*

I)Power supply voltage adjustment(this item can be cancelled if LG screen do not need adjustment)

1. **Voltage adjustment at V_a and V_S** (the required values are labeled on the top right corner of the panel)

2、Instruments：digital multimeter、test bar、signal generator、RC

3. coarse adjustment

1) unplug the output of the power panel, Apply 220VAC to mains power input, and
2) Adjust V_a Adj until voltage at. V_a reach the required value(±1V)
3) Adjust V_S Adj until voltage at. V_S reach the required value(±1V)

4.fine adjustment

1) Apply a white signal
2) Press " i " button to select picture menu, press ▼/▲ to select CONTRAST and BRIGHTNESS, press ◀/▶ to change the settings to 100
3) The set warms up about 15 min, then adjust V_a and V_S respectively

Adjust V_a Adj until voltage at. V_a reach the required value(±0.5V)
Adjust V_S Adj until voltage at. V_S reach the required value(±0.5V)

II) <u>Adjustment of White balance</u>

The way to enter FACT-MENU : Press " volume◀"to turn volume down, press "mute" to display, then press No. keys"06405" to display FACT-MENU, then press 1,2 to choose alignment pages(2 pages in total)

<u>(1)Adjustment of White balance under VGA mode</u>

1. Instruments: signal generator(Chroma 2225), white balance(CA-100),RC.
2. white balance test signal:640*480 16Gray-scale (Pattern 47, Timing13)
   Press the " picture" to choose the "standard" mode.
3. steps:
   1) press "i" to enter picture menu,.
   2) 2)Adjustment of Warm temperature(9300k)

a.Use a color analyzer to measure the black side of the screen(the scale where the luminance is 5±1nit). Set BCUT-93 to 200, BGAIN-93 to 15 . Set the reading of the color analyzer to x=0.284±0.005, y=0.299±0.005 by changing the value of RCUT-93 and GCUT-93

b.Then measure the white side of the screen(the scale where the luminance is 100±1nit). By changing the value of GGAIN-93 and RGAIN-93, set the reading of the color analyzer to x=0.284±0.005, y=0.299±0.005.

c.Repeat step 1&2 until you can get the correct reading for both black and white sides.

3) Adjustment of Cool temperature(11000k)

a.Use a color analyzer to measure the black side of the screen (where the luminance is 5±1nit). Set BCUT-11 to 200, BGAIN-11 to15 ,By changing the value of RCUT-11 and GCUT-11 , set the reading of the color analyzer to x=0.265±0.005, y=0.280±.0.005

b.Then measure the white side of the screen where the luminance is 100±1nit. By changing the value of GGAIN-11 and RGAIN-11, set the reading of the color analyzer to x=0.265±0.005, y=0.280±.0.005.

c.Repeat step 1&2 until you can get the correct reading for both black and white sides.

d.Press "0" button to quit.

(2) <u>Adjustment of White balance under RCA mode</u>

1 Instruments: picture signal generator, white balance(CA-100), RC, Multi box.
2 select Contrast and Brightness, then adjust Contrast and Brightness until luminance is about 5~6nit in the black side and 90~100nit in the white side.
3 Adjustment of Warm temperature (9300k)
4 Use a color analyzer to measure the black side of the screen. Set BCUT-93 to 245,BGAIN-93 to 95 .Change the value of RCUT-93 and GCUT-93 until the reading of the

BGAIN-93	Blue drive at 9300K	100
RCUT-11K	Red cutoff at 11000k	249
GCUT-11K	Green cutoff at 11000k	247
BCUT-11K	Blue cutoff at 11000k	100
RGAIN-11	RED drive at 11000K	86
GGAIN-11	Green drive at 11000K	88
BGAIN-11	Blue drive at 11000K	100

Press "3"

Item	DATA
BLK-STRC	30
NOLINER	0
VGAMMA	32
LINE	10
STEEP	63
CORING	10
COLDELAY	7
YDELAY	15
FFI	0
FFA	1
FOB	1

Press "4" to enter picture geometry alignment menu

Item	Description	Default data
H-POS	H-POSITION	6
V-POS	V-POSITION	12

I) Voltage adjustment at V_a and V_s (the required values are labeled on the top right corner of the panel)

1. coarse adjustment

1) unplug the output of the power panel, Apply 220VAC to mains power input, and
2) Adjust V_a Adj until voltage at. V_a reach the required value(±1V)
3) Adjust V_s Adj until voltage at. V_s reach the required value(±1V)

2.fine adjustment

1) Apply a white signal
2) Press " i " button to select picture menu, press ▼/▲ to select CONTRAST and BRIGHTNESS, press □/□ to change the settings to 100
3) The set warms up about 15 min, then adjust V_a and V_s respectively
   Adjust V_a Adj until voltage at. V_a reach the required value(±0.5V)
   Adjust V_s Adj until voltage at. V_s reach the required value(±0.5V)

II) Adjustment of White balance under VGA mode

1. Receive the 16Gray-scale pattern,
2. press "i" to enter picture menu, select Contrast and Brightness, then adjust Contrast and Brightness until luminance in the 3nd dark bar of 16 level grey scales is about 5~6nit and luminance in the 13nd dark bar of 16 level grey scales is about 90~100nit.
3. Adjustment of Warm temperature(9300k)

1) Use a color analyzer to measure the black side of the screen(the scale where the luminance is 5±1nit). Set BCUT-93 to 150 , BGAIN-93 to 15 . Set the reading of the color analyzer to x=0.284±0.005, y=0.299±0.005 by changing the value of RCUT-93 and GCUT-93
2) Then measure the white side of the screen(the scale where the luminance is 100±1nit). By changing the value of GGAIN-93 and RGAIN-93, set the reading of the color analyzer to x=0.284±0.005, y=0.299±0.005.
3) Repeat step 1&2 until you can get the correct reading for both black and white sides.

4 Adjustment of Cool temperature(11000k)

1) Use a color analyzer to measure the black side of the screen (where the luminance is 5±1nit). Set BCUT-11 to 150, BGAIN-11 to15 ,By changing the value of RCUT-11 and GCUT-11 , set the reading of the color analyzer to x=0.265±0.005, y=0.280±.0.005
2) Then measure the white side of the screen where the luminance is 100±1nit. By changing the value of GGAIN-11 and RGAIN-11, set the reading of the color analyzer to x=0.265±0.005, y=0.280±.0.005.
3) Repeat step 1&2 until you can get the correct reading for both black and white sides.
4) Press EXIT button to quit

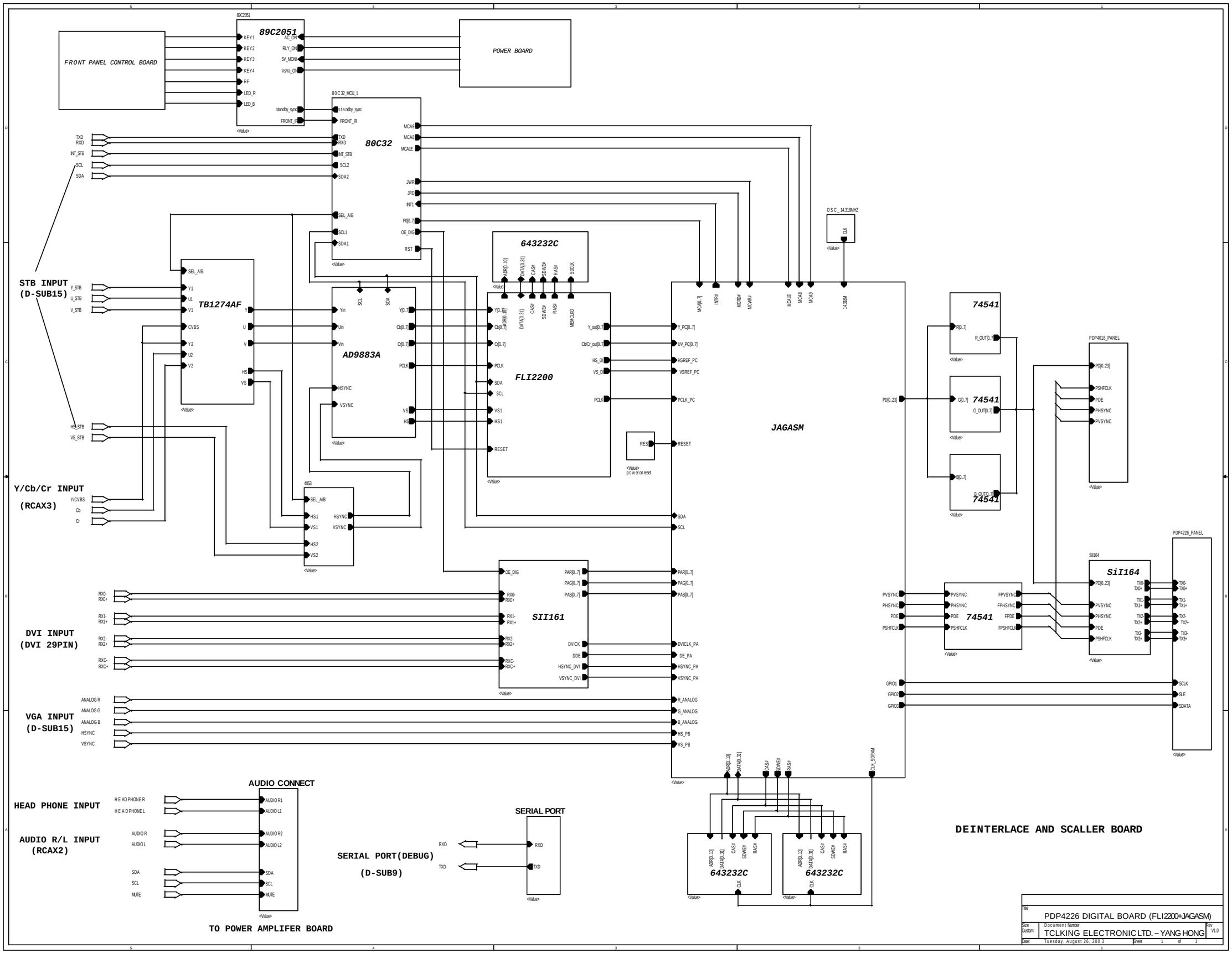
III) <u>Adjustment of White balance under RCA mode</u>

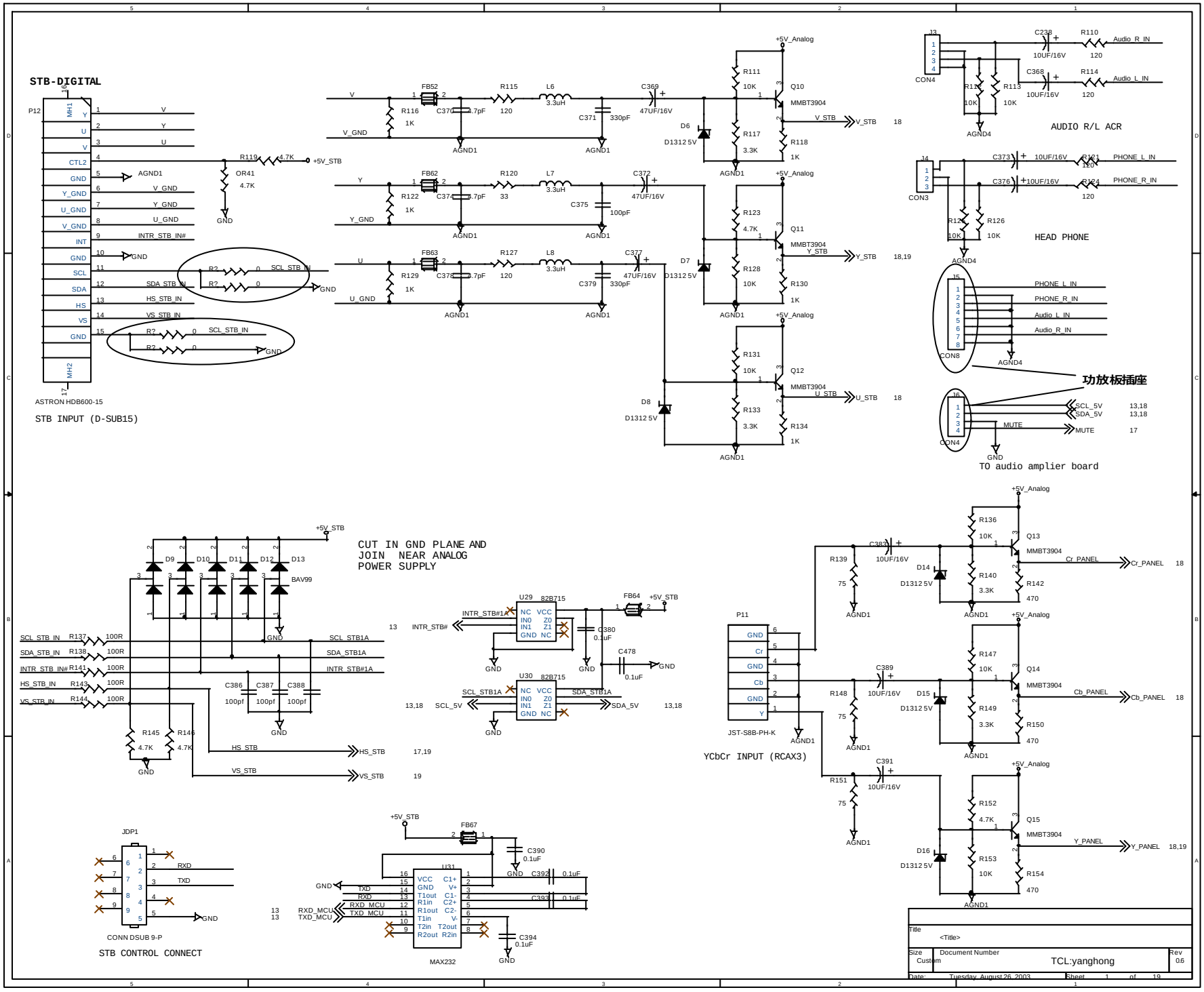
1 Connect the C-BOX to the panel, then apply the black/white pattern to AV1 terminal of C-BOX
2 press “i”, select Contrast and Brightness, then adjust Contrast and Brightness until luminance is about 5~6nit in the black side and 90~100nit in the white side.
3 Adjustment of Warm temperature(9300k)
   1) Use a color analyzer to measure the black side of the screen. Set BCUT-93 to 245,BGAIN-93 to 100 .Change the value of RCUT-93 and GCUT-93 until the reading of the color analyzer to x=0.284±0.005, y=0.299±0.005.
   2) Then measure the white side of the screen. By changing the value of GGAIN-93 and BGAIN-93, set the reading of the color analyzer to x=0.284±0.005, y=0.299±0.005.
   3) Repeat step 1&2 until you can get the correct reading for both black and white sides

4 Adjustment of Cool temperature(11000k)
   1) Use a color analyzer to measure the black side of the screen. Set BCUT-11 to 245,BGAIN-11 to 100 ,By changing the value of RCUT-11 and GCUT-11 , set the reading of the color analyzer to x=0.265±0.005, y=0.280±.0.005
   2) Then measure the white side of the screen. By changing the value of GGAIN-11 and RGAIN-11, set the reading of the color analyzer to x=0.265±0.005, y=0.280±.0.005
   3) Repeat step 1&2 until you can get the correct reading for both black and white sides
   4) Press EXIT button to quit

<u>ALIGNMENT PROCEDURE FOR BOX:</u>

1. Receive a grey scale/Color -bar signal with 60dB μ V amplitude.
2. Press **i ,6,4,0,5** continually to enter D-mode
3. Adjust Tuner AGC until the noise just disapper.
4. press EXIT button to quit the factory mode.


89C2051
KEY1
KEY2
KEY3
KEY4
RF
LED_R
LED_B
AC_ON
RLY_ON
5V_MON
VsVa_ON
standby_sync
FRONT_IR
FRONT PANEL CONTROL BOARD
POWER BOARD
80C32_MCU_1
80C32
TXD
RXD
INT_STB
SCL
SDA
SCL2
SDA2
SEL_A/B
SCL1
SDA1
RST
MCA9
MCA8
MCALE
JWR
JRD
INT1
P0[0..7]
OE_DIG
643232C
ADR[0..10]
DAT[0..31]
CASI
SDWEI
RASI
SCLK
OSC_14.318MHZ
CLK
MC[0..7]
INTRI
MCRDI
MCWRI
MCALE
MCA8
MCA9
143IBM
STB INPUT
(D-SUB15)
Y_STB
U_STB
V_STB
TB1274AF
SEL_A/B
Y1
U1
V1
CVBS
Y2
U2
V2
Y
U
V
HS
VS
AD9883A
Yin
Uin
Vin
HSYNC
VSYNC
Y[0..7]
Cb[0..7]
Cr[0..7]
PCLK
FLI2200
Y_out[0..7]
Cb/Cr_out[0..7]
HS_DE
VS_DE
PCLK
Y_PC[0..7]
UV_PC[0..7]
HSREF_PC
VSREF_PC
PCLK_PC
RESET
power on reset
JAGASM
HS_STB
VS_STB
Y/Cb/Cr INPUT
(RCAX3)
Y/CVBS
Cb
Cr
4053
HS1
VS1
HS2
VS2
74541
R[0..7]
R_OUT[0..7]
G[0..7]
G_OUT[0..7]
B[0..7]
B_OUT[0..7]
PDP4018_PANEL
PD[0..23]
PSHFCLK
PDE
PHSYNC
PVSYNC
PDP4226_PANEL
SII164
SiI164
PD[0..23]
TX0-
TX0+
TX1-
TX1+
TX2-
TX2+
TX3-
TX3+
SCLK
SLE
SDATA
DVI INPUT
(DVI 29PIN)
RX0-
RX0+
RX1-
RX1+
RX2-
RX2+
RXC-
RXC+
SII161
OE_DIG
PAR[0..7]
PAG[0..7]
PAB[0..7]
DVICK
DDE
HSYNC_DVI
VSYNC_DVI
DVICLK_PA
DE_PA
HSYNC_PA
VSYNC_PA
VGA INPUT
(D-SUB15)
ANALOG R
ANALOG G
ANALOG B
HSYNC
VSYNC
R_ANALOG
G_ANALOG
B_ANALOG
HS_PB
VS_PB
GPIO1
GPIO2
GPIO3
CLK_SDRAM
AUDIO CONNECT
HEAD PHONE INPUT
HEADPHONE R
HEADPHONE L
AUDIO R/L INPUT
(RCAX2)
AUDIO R
AUDIO L
AUDIO R1
AUDIO L1
AUDIO R2
AUDIO L2
MUTE
TO POWER AMPLIFER BOARD
SERIAL PORT
SERIAL PORT(DEBUG)
(D-SUB9)
RXD
TXD
DEINTERLACE AND SCALLER BOARD
Title
PDP4226 DIGITAL BOARD (FLI2200+JAGASM)
Size
Custom
Document Number
TCLKING ELECTRONIC LTD. – YANG HONG
Rev
V1.0
Date:
Tuesday, August 26, 200 3
Sheet
1
of
1


STB-DIGITAL
P12
MH1
MH2
ASTRON HDB600-15
STB INPUT (D-SUB15)
V
Y
U
CTL2
GND
Y_GND
U_GND
V_GND
INTR_STB_IN#
INT
SCL
SDA
HS
VS
SDA_STB_IN
HS_STB_IN
VS_STB_IN
SCL_STB_IN
R119 4.7K
OR41 4.7K
+5V_STB
AGND1
R2 0
FB52
FB62
FB63
R115
R120
R127
L6
L7
L8
C369
C372
C377
C370 4.7pF
C374 4.7pF
C378 4.7pF
C371 330pF
C375 100pF
C379 330pF
R116 1K
R122 1K
R129 1K
R111 10K
R123 4.7K
R128 10K
R131 10K
R117 3.3K
R130 1K
R133 3.3K
R118 1K
R134 1K
Q10
Q11
Q12
MMBT3904
D6
D7
D8
D1312 5V
+5V_Analog
V_STB
Y_STB
U_STB
18
18,19
AUDIO R/L ACR
CON4
C238
C368
R110
R114
R112
R113
10UF/16V
120
10K
Audio_R_IN
Audio_L_IN
HEAD PHONE
CON3
C373
C376
R121
R124
R125
R126
PHONE_L_IN
PHONE_R_IN
CON8
功放板插座
SCL_5V
SDA_5V
MUTE
13,18
17
TO audio amplier board
CUT IN GND PLANE AND
JOIN NEAR ANALOG
POWER SUPPLY
D9
D10
D11
D12
D13
BAV99
R137 100R
R138 100R
R141 100R
R143 100R
R144 100R
SCL_STB1A
SDA_STB1A
INTR_STB#1A
C386 100pf
C387 100pf
C388 100pf
R145 4.7K
R146 4.7K
HS_STB
VS_STB
17,19
19
U29 82B715
U30 82B715
INTR_STB#
SCL_STB1A
SDA_STB1A
C380 0.1uF
C478 0.1uF
FB64
13
13,18
P11
JST-S8B-PH-K
YCbCr INPUT (RCAX3)
R136
R147
R152
R139
R148
R151
R140
R149
R153
R142
R150
R154
C383
C389
C391
10UF/16V
D14
D15
D16
Cr_PANEL
Cb_PANEL
Y_PANEL
470
75
JDP1
CONN DSUB 9-P
STB CONTROL CONNECT
RXD
TXD
FB67
C390 0.1uF
C392 0.1uF
C393 0.1uF
C394 0.1uF
U31
MAX232
RXD_MCU
TXD_MCU
13
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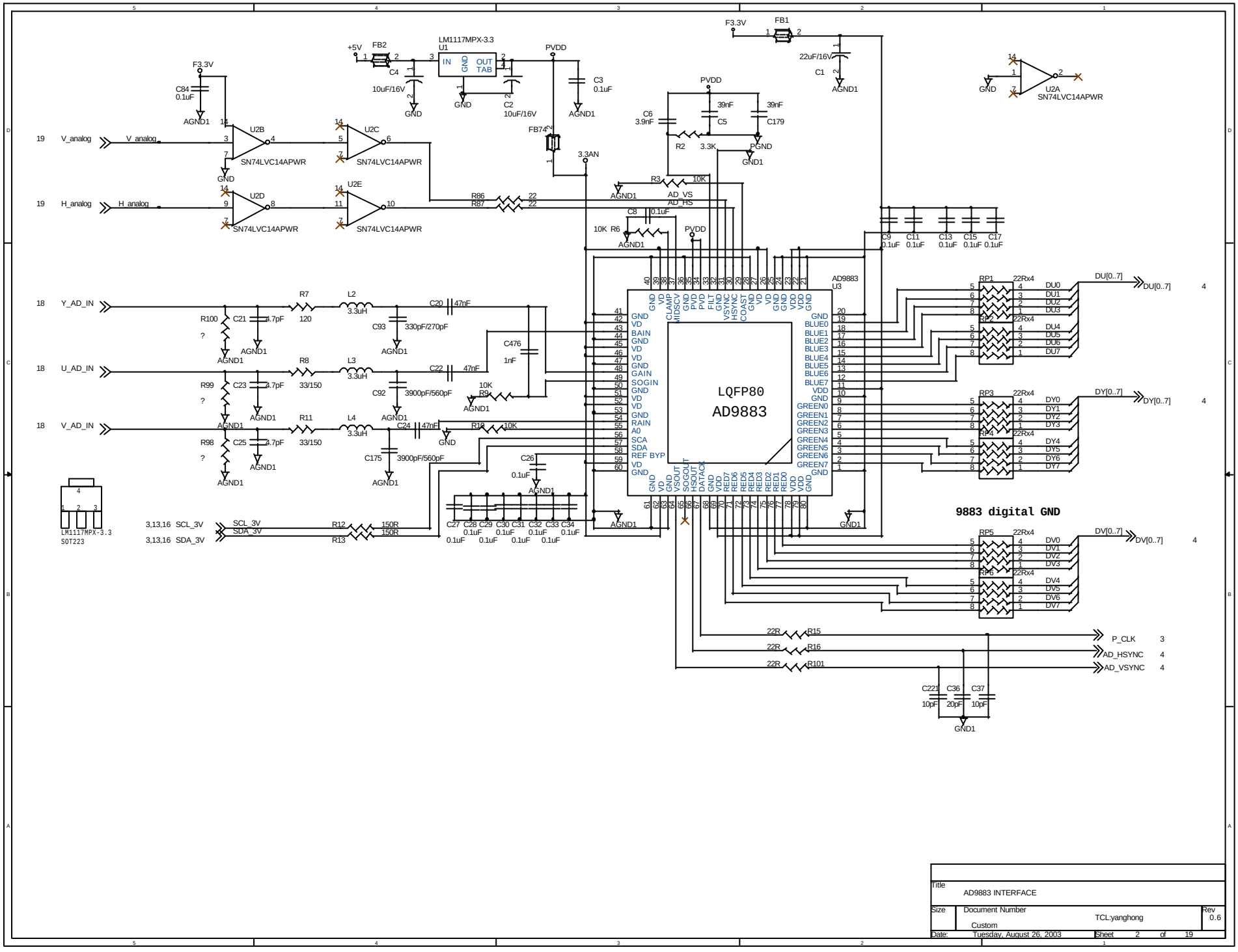
LM1117MPX-3.3
U1
IN
GND
OUT
TAB
+5V
FB2
C4
10uF/16V
C2
10uF/16V
C3
0.1uF
PVDD
F3.3V
FB1
22uF/16V
C1
AGND1
GND
C84
0.1uF
U2A
SN74LVC14APWR
U2B
U2C
U2D
U2E
V_analog
H_analog
R86
R87
22
C6
3.9nF
39nF
C5
C179
R2
3.3K
PGND
GND1
FB74
3.3AN
R3
10K
AD_VS
AD_HS
C8
0.1uF
10K R6
C9
C11
C13
C15
C17
AD9883
U3
LQFP80
AD9883
Y_AD_IN
U_AD_IN
V_AD_IN
R7
L2
3.3uH
C20
47nF
C93
330pF/270pF
R8
L3
C22
47nF
C92
3900pF/560pF
R11
L4
C24
47nF
C175
3900pF/560pF
R100
C21
4.7pF
120
R99
C23
33/150
R98
C25
C476
1nF
R9
R10
10K
C26
0.1uF
C27
C28
C29
C30
C31
C32
C33
C34
R12
R13
150R
SCL_3V
SDA_3V
LM1117MPX-3.3
SOT223
RP1
RP2
RP3
RP4
RP5
RP6
22Rx4
DU[0..7]
DY[0..7]
DV[0..7]
DU0
DU1
DU2
DU3
DU4
DU5
DU6
DU7
DY0
DY1
DY2
DY3
DY4
DY5
DY6
DY7
DV0
DV1
DV2
DV3
DV4
DV5
DV6
DV7
9883 digital GND
R15
R16
R101
22R
P_CLK
AD_HSYNC
AD_VSYNC
C221
10pF
C36
20pF
C37
10pF
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Size
Document Number
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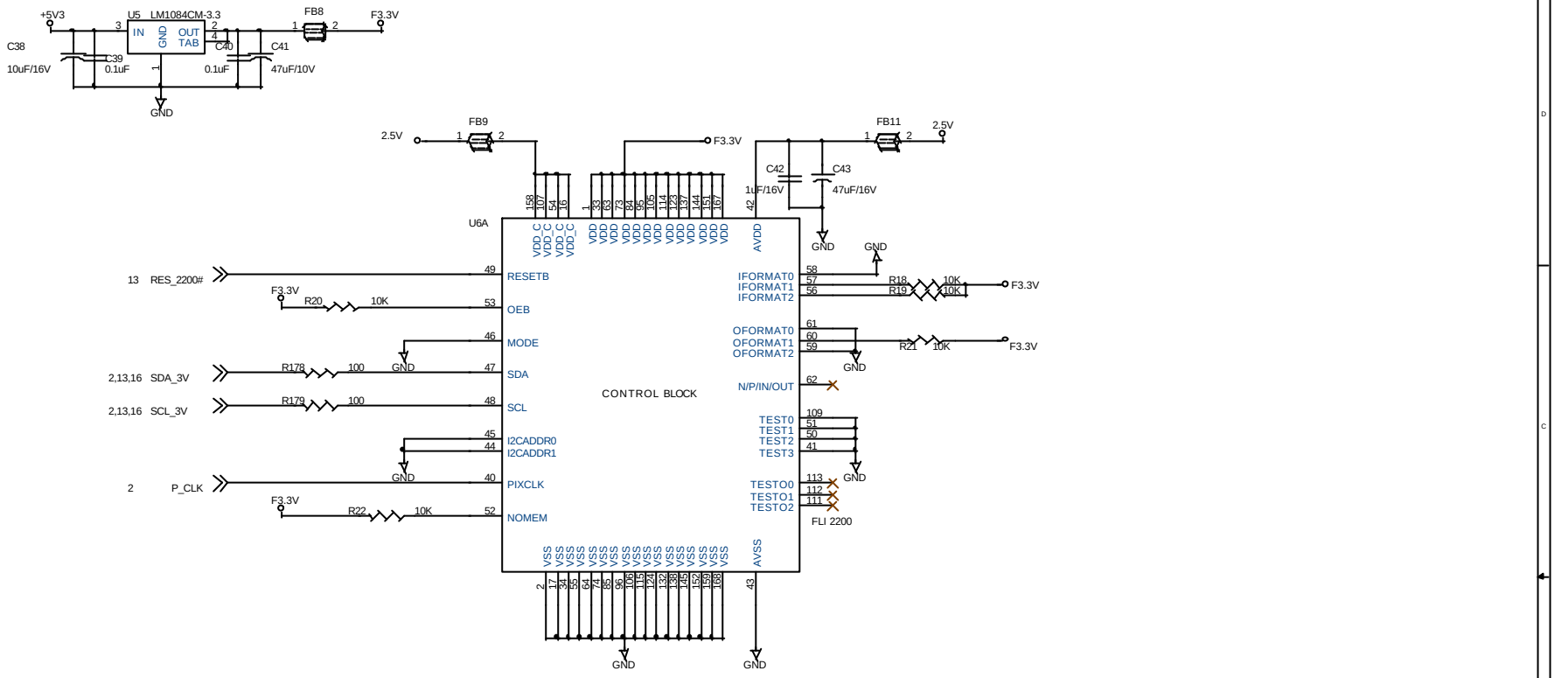
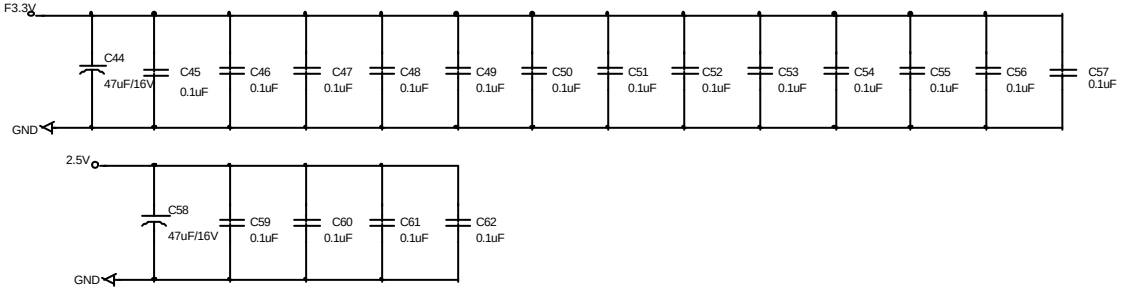


DECOUPLING FOR FLI2200



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Size: Custom	Document Number: TCL:yanghong	Rev: <RevCode>
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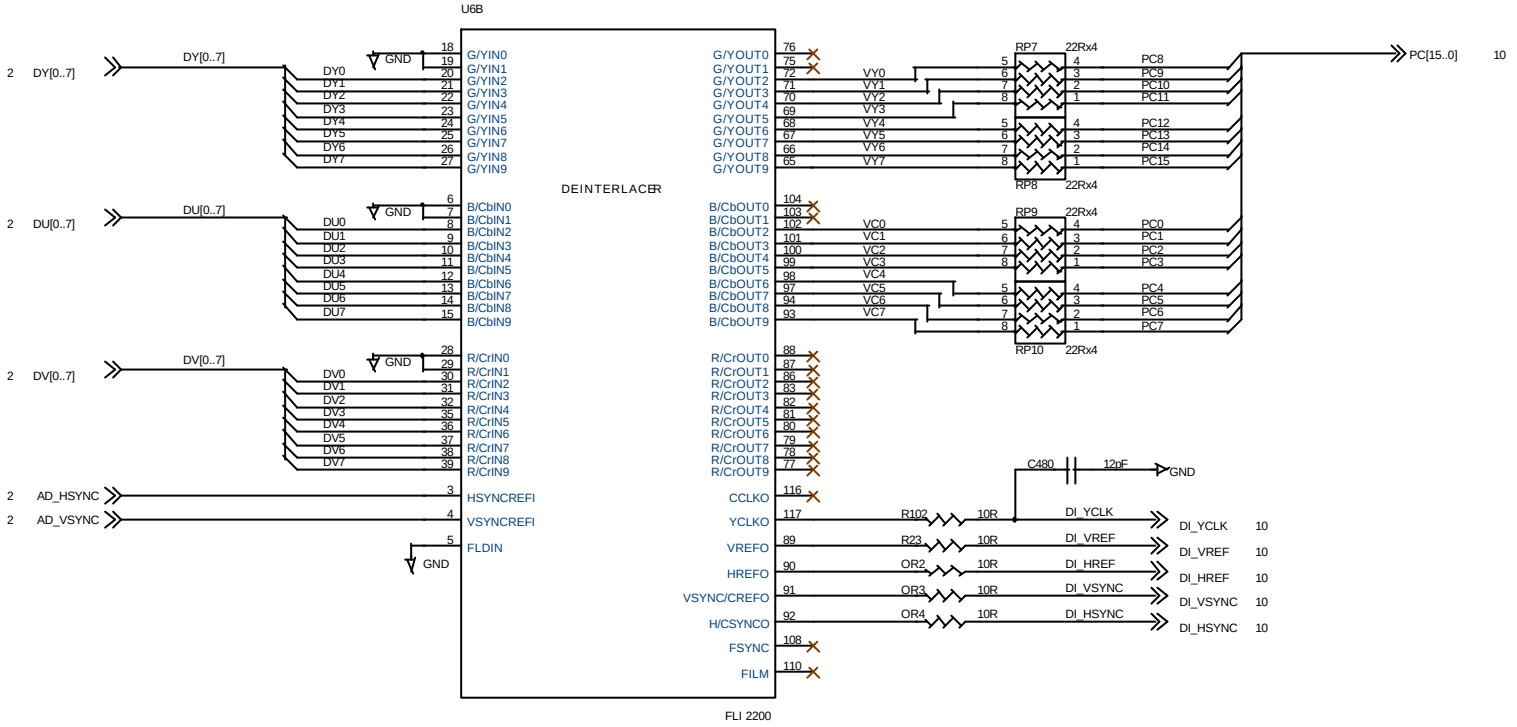

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Size: Custom	Document Number: TCL:yanghong		Rev: <RevCode>
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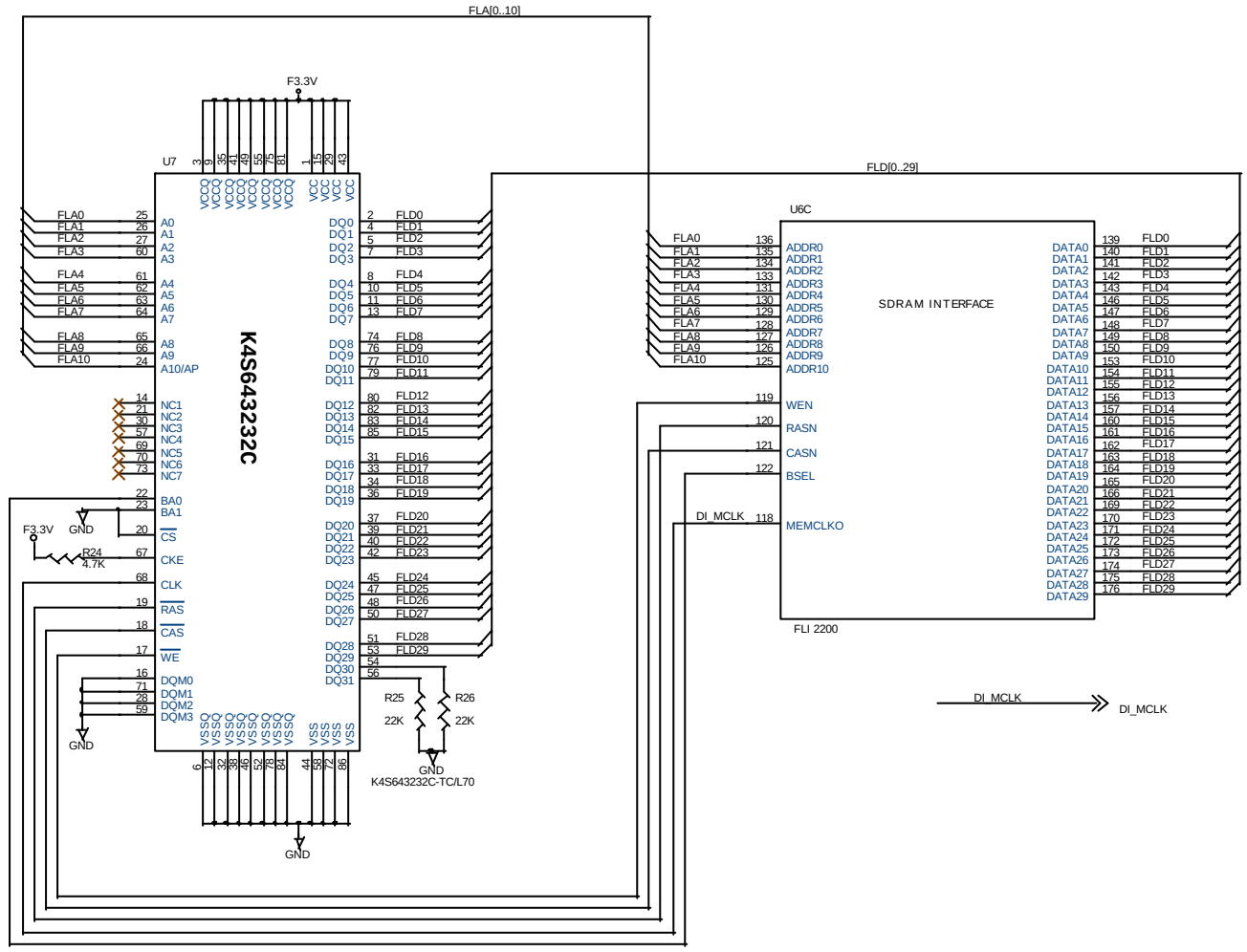

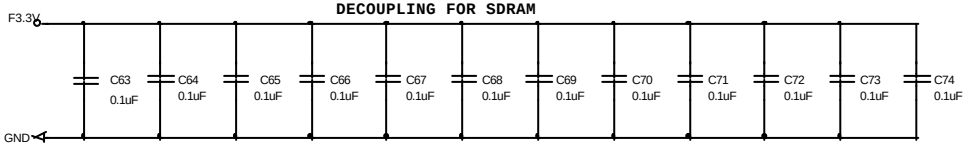

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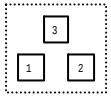
2508051107Y1

TO JAGASM ADC



BAV99 FOOTPRINT

RED1 — FB28 — C75 1uF — R28 100 1% — ARED1P 7
R29 75 1% — C76 2.2pf
RED1-GND — R30 137 1% — R211 — ARED1N 7 — AGND2
GREEN11 — FB29 — C77 1uF — R32 100 1% — AGREEN1P 7
R33 75 1% — C78 2.2pf
GREEN1-GND — R34 137 1% — R212 — AGREEN1N 7 — AGND2
BLUE11 — FB37 — C79 1uF — R36 100 1% — ABLUE1P 7
R37 75 1% — C80 2.2pf
BLUE1-GND — R38 137 1% — R213 — ABLUE1N 7 — AGND2

VGA15

P1

MH1

RED	1	RED1
GREEN	2	GREEN1
BLUE	3	BLUE1
ID2	4	
GND	5	
RGND	6	RED1-GND
GGND	7	GREEN1-GND
BGND	8	BLUE1-GND
VCC	9	
GND	10	
ID0	11	AGND2
DDDA(ID1)	12	DDDA
HSYNC	13	PHSI1 — FB12
VSYNC	14	PVSI1 — FB13
DDCK(ID3)	15	DDCK

MH2

ASTRON HDB600-15

CUT IN GND PLANE AND JOIN NEAR JAG

A3.3V
D1 D2 D3 D4 BAV99
CUT IN GND PLANE AND JOIN NEAR ANALOG POWER SUPPLY
AGND2

R44 100R — VGA_HSYNC 10
R45 100R
R46 100R — VGA_VSYNC 10
R47 100R

R48 10K — AGND2
R49 10K — AGND2

C85 100pf — AGND2
C86 100pf — AGND2

+5V
R50 10K
C87 0.1uF — GND
R51 10K
R52 10K

U8

3	WC	VCC	8
1	NC1	SDA	5
	DDC	SCL	6
2	NC2	VCLK	7
	GND		4

ST24FW21

EDID DATA

GND

Title	VGA CONNECTOR		
Size	Document Number		Rev
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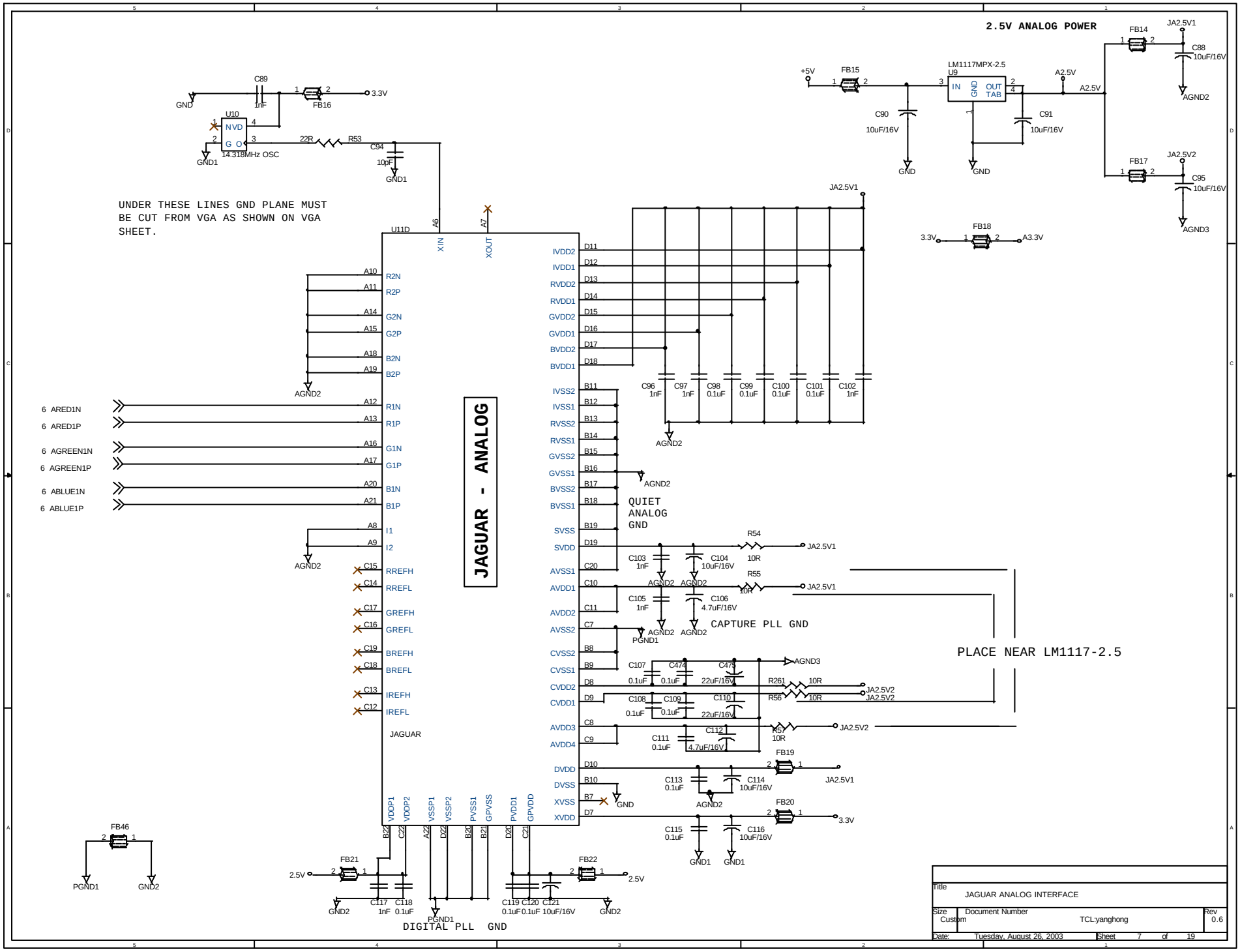
2.5V ANALOG POWER
JAGUAR - ANALOG
JAGUAR
UNDER THESE LINES GND PLANE MUST BE CUT FROM VGA AS SHOWN ON VGA SHEET.
QUIET ANALOG GND
CAPTURE PLL GND
DIGITAL PLL GND
PLACE NEAR LM1117-2.5
LM1117MPX-2.5
14.318MHz OSC
Title
JAGUAR ANALOG INTERFACE
Size
Custom
Document Number
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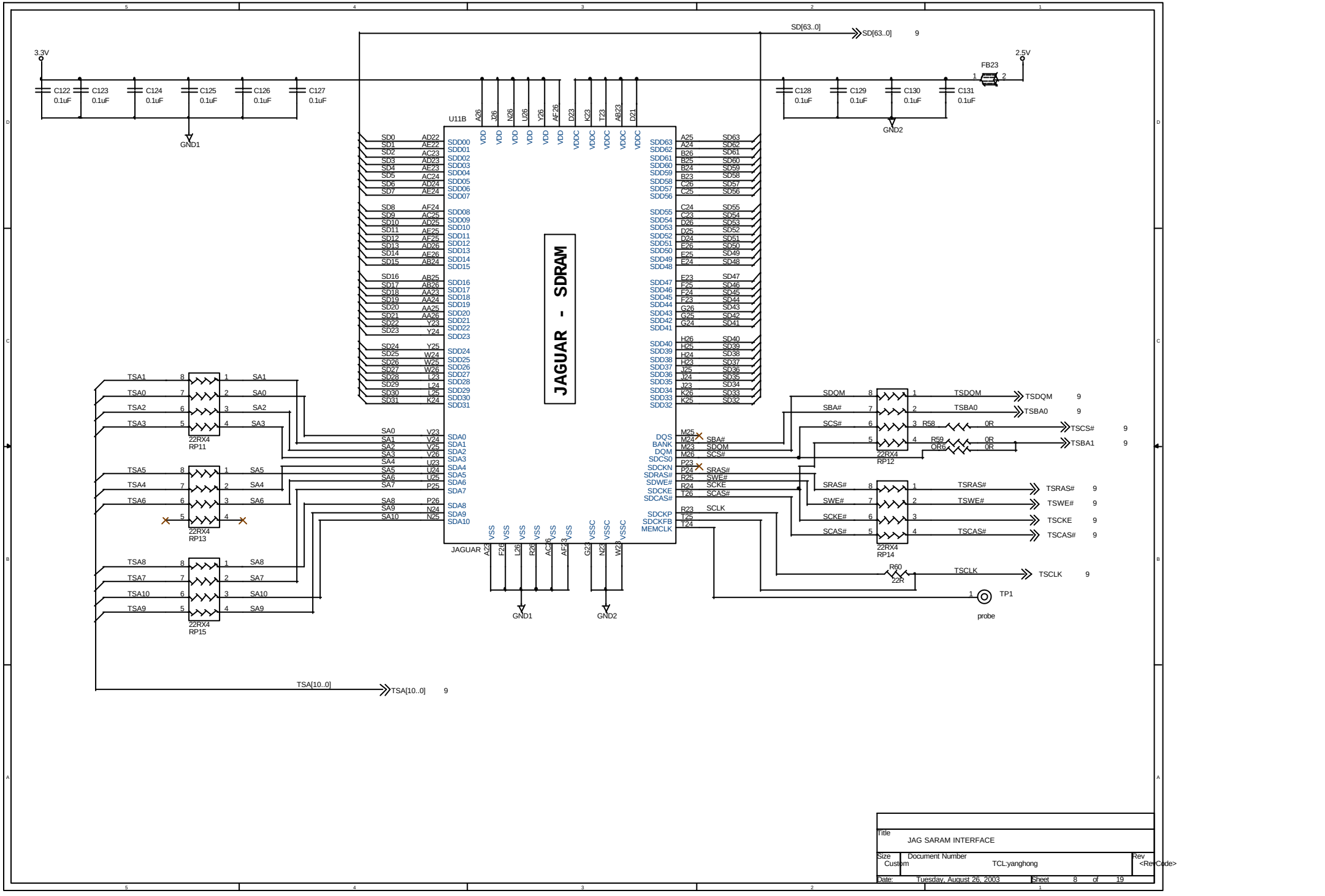

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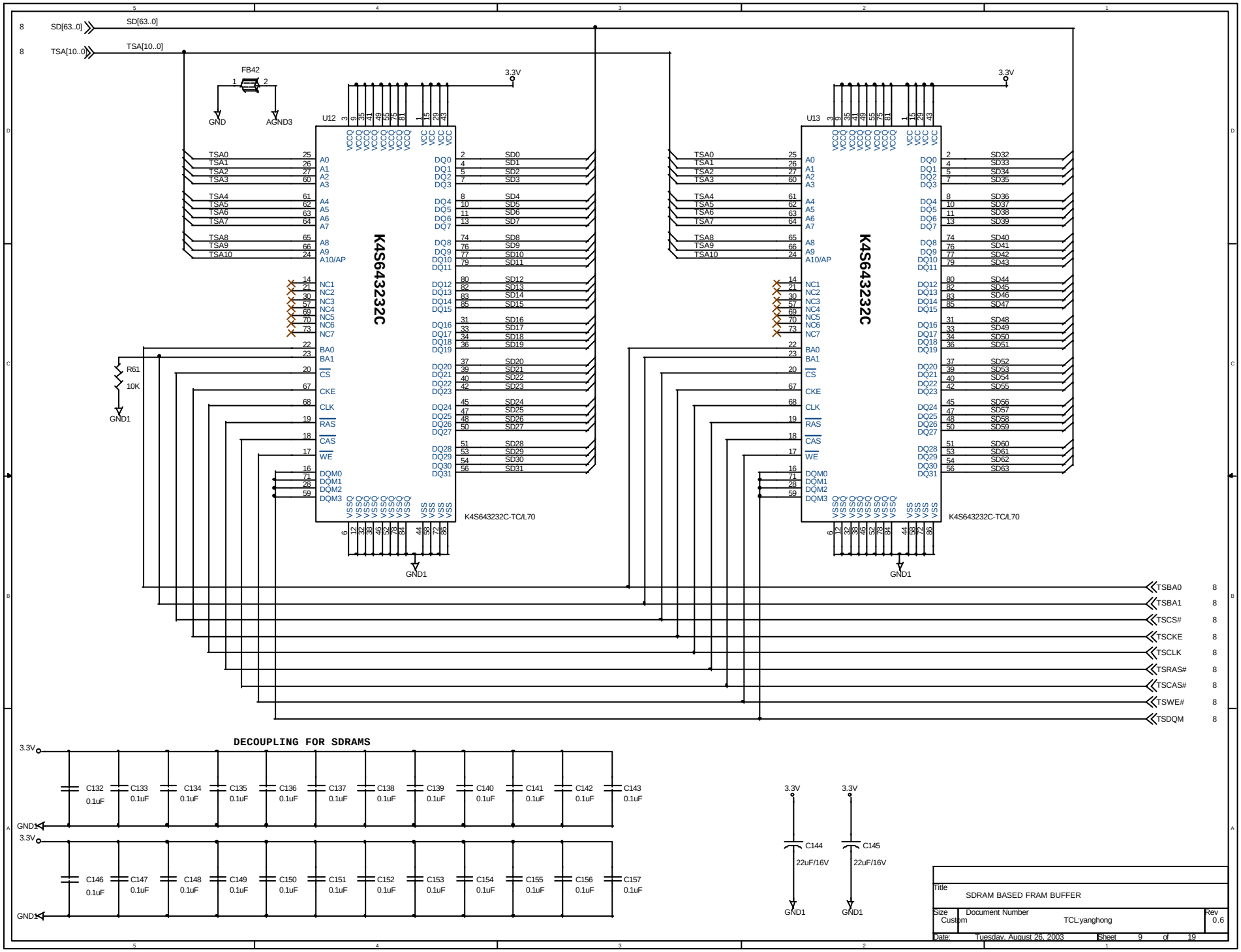
SD[63..0]
TSA[10..0]
FB42
GND
AGND3
3.3V
U12
U13
K4S643232C
K4S643232C-TC/L70
R61
10K
GND1
TSBA0
TSBA1
TSCS#
TSCKE
TSCLK
TSRAS#
TSCAS#
TSWE#
TSDQM
DECOUPLING FOR SDRAMS
C132 C133 C134 C135 C136 C137 C138 C139 C140 C141 C142 C143
C146 C147 C148 C149 C150 C151 C152 C153 C154 C155 C156 C157
0.1uF
C144
C145
22uF/16V
Title
SDRAM BASED FRAM BUFFER
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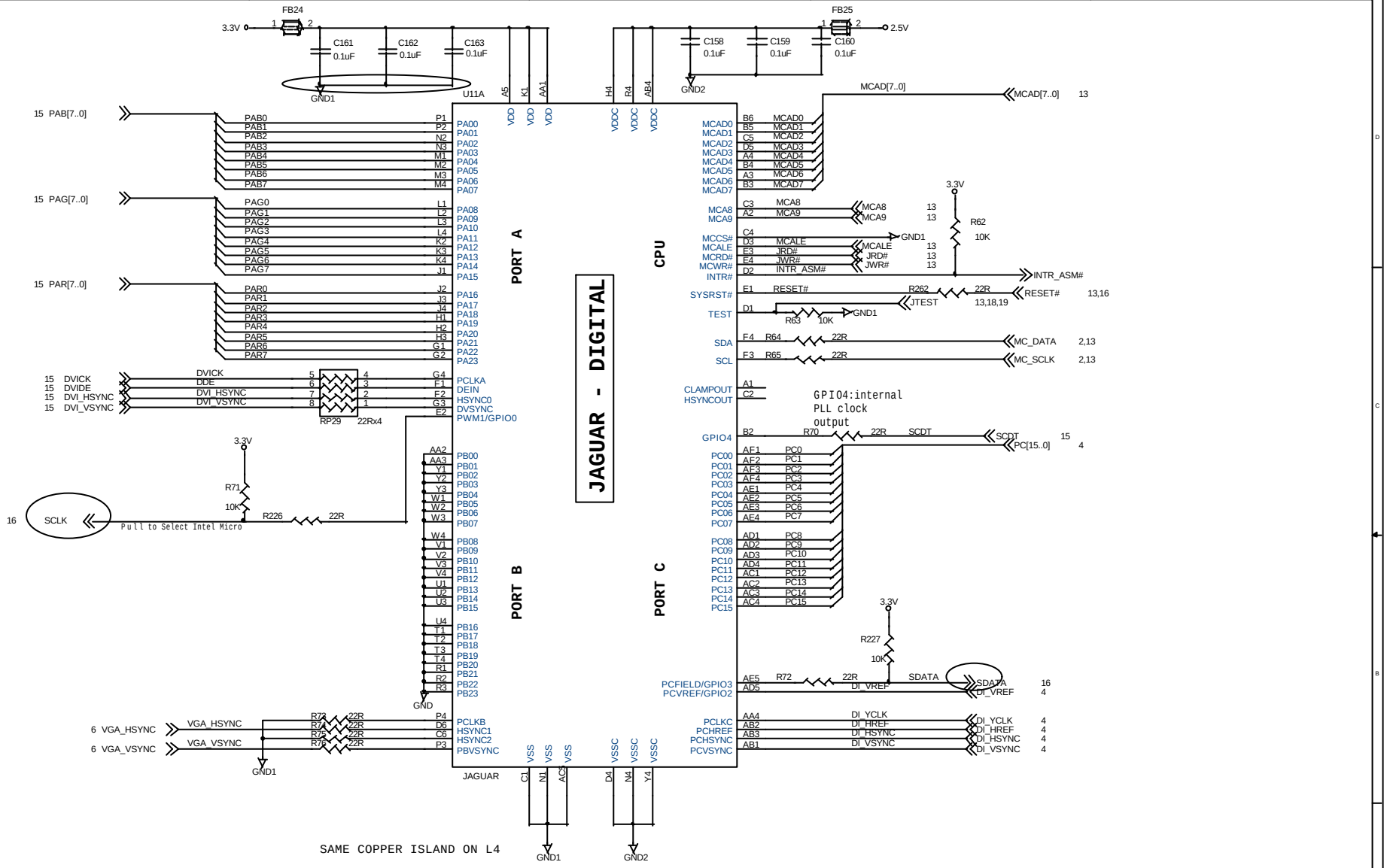

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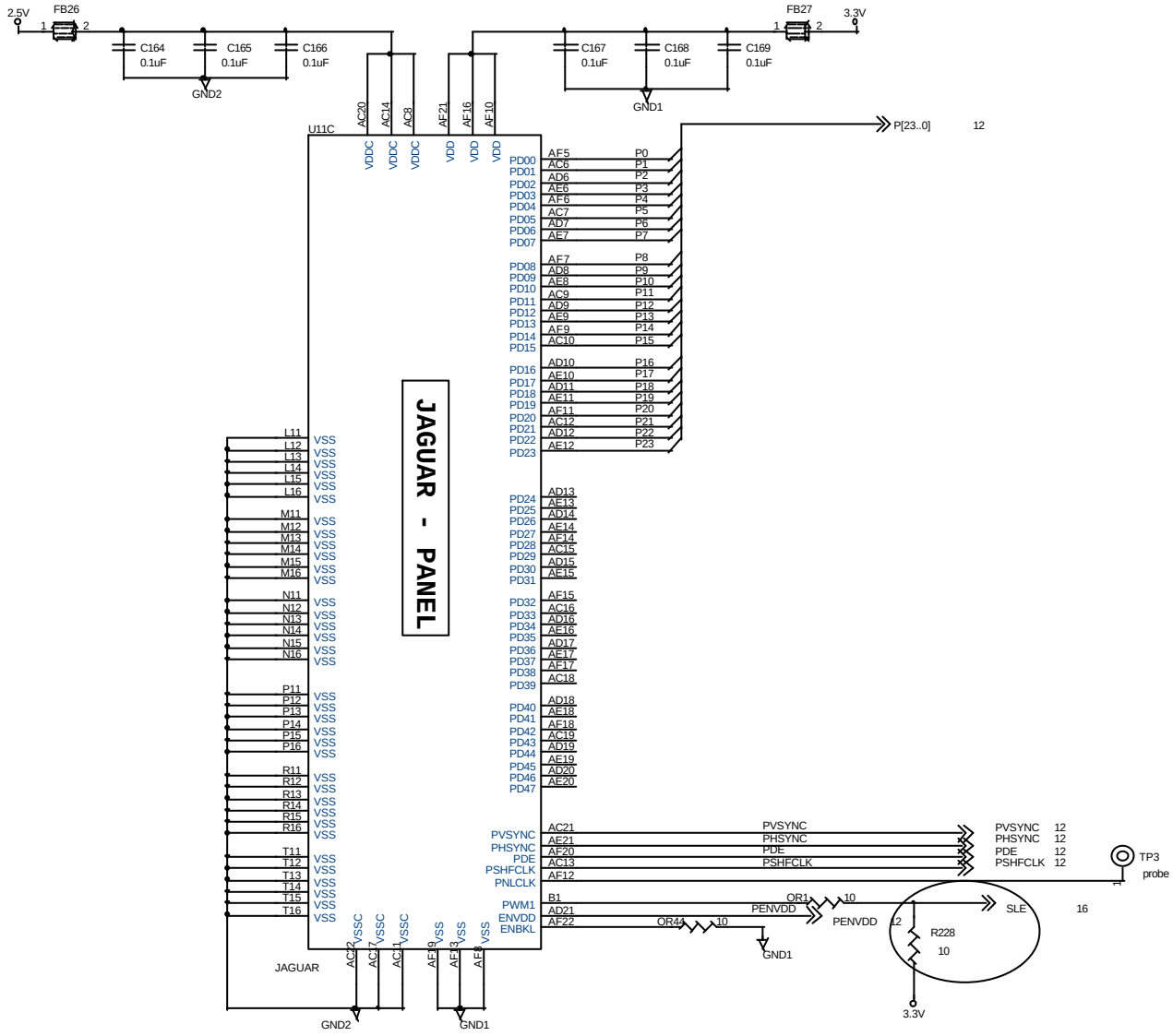

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Custom	TCL:yanghong		0.6
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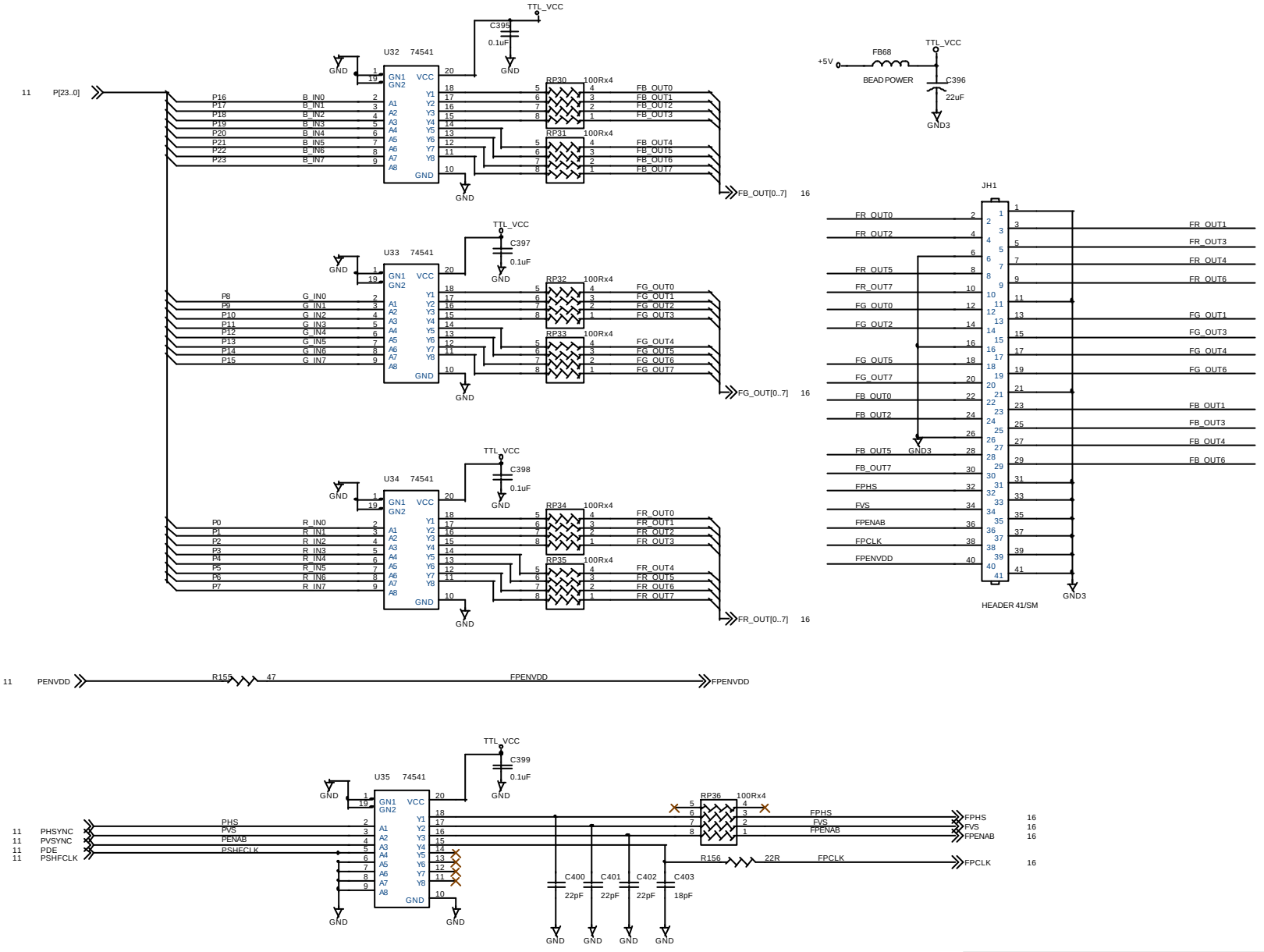

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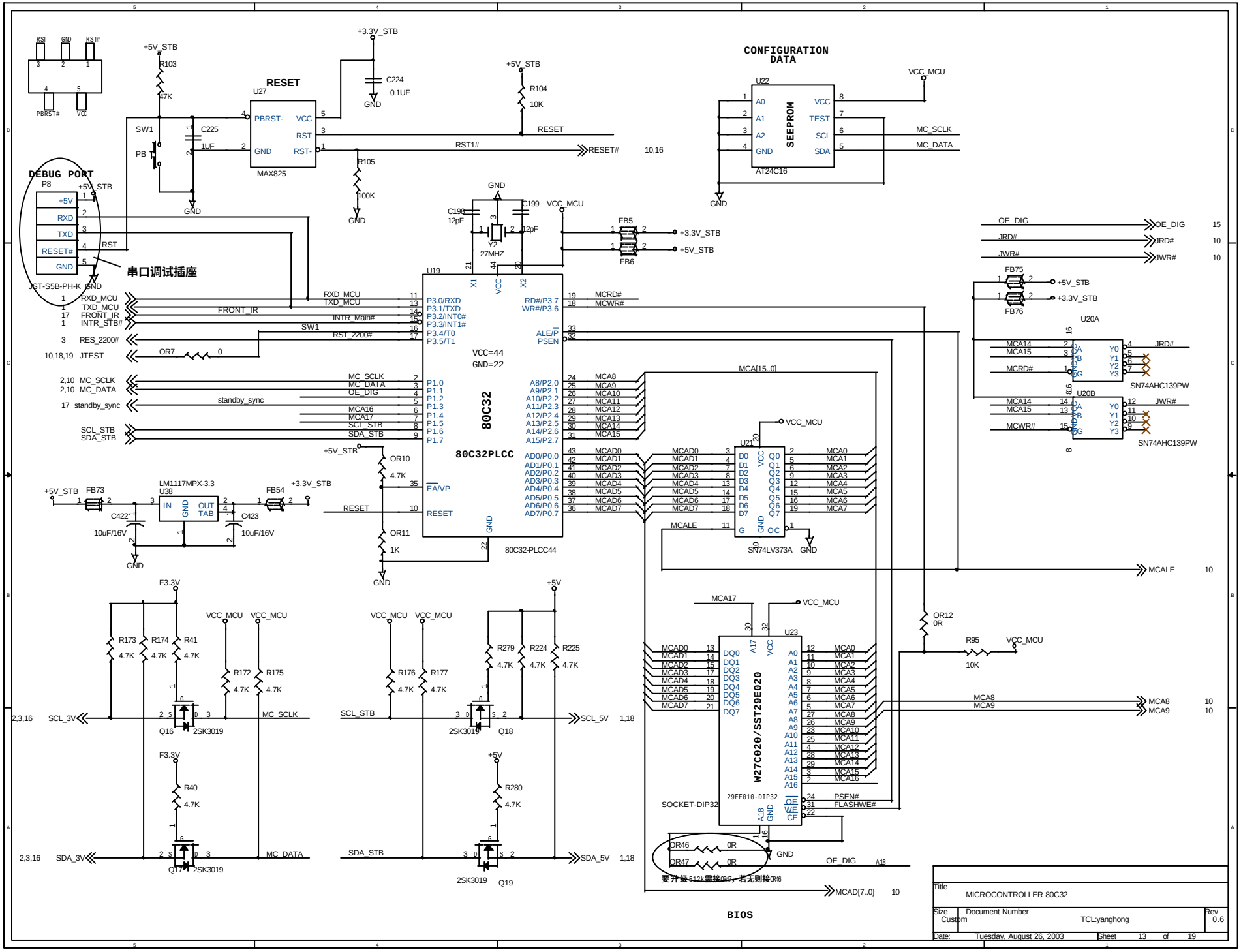
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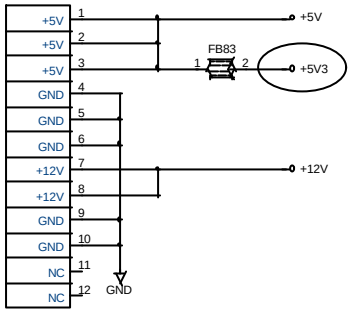
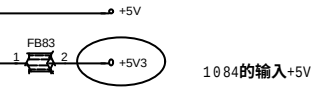
CONFIGURATION DATA
DEBUG PORT
串口调试插座
80C32
80C32PLCC
80C32-PLCC44
SEEPROM
AT24C16
MAX825
W27C020/SST29E020
SN74LV373A
SN74AHC139PW
LM1117MPX-3.3
2SK3019
BIOS
MICROCONTROLLER 80C32
Tuesday, August 26, 2003
TCL:yanghong

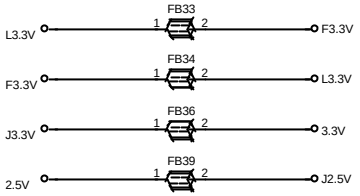
VOLTAGE P6



JST-S12B-PH-K

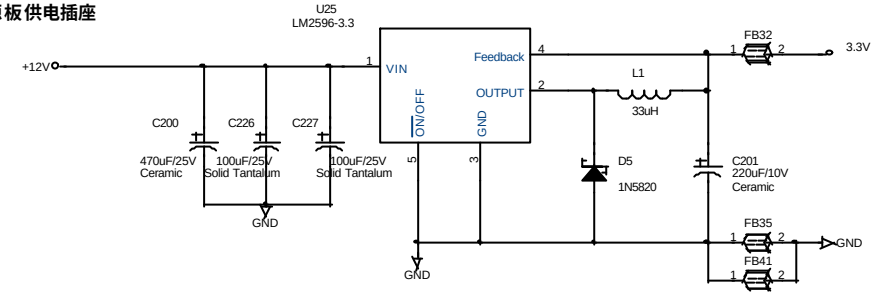


1084的输入+5V

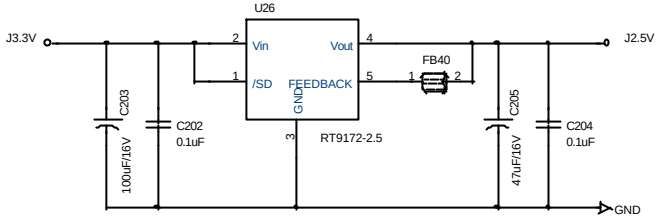


电源板供电插座

3.3V DIGITAL POWER

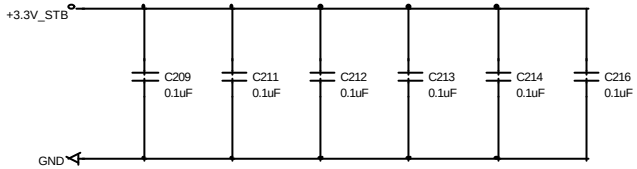


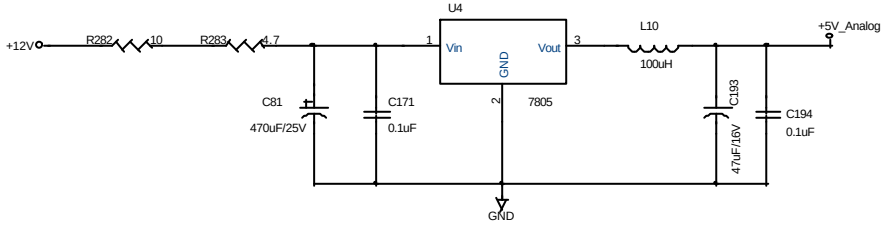
2.5V DIGITAL POWER

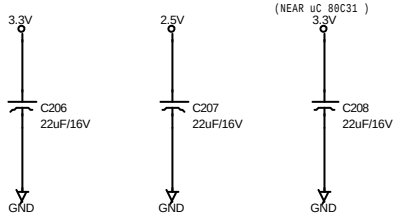


DECOUPLING FOR MISC ICs

(80C32, EPROM, SROM, HC373, HC14, 139, 244, 125)







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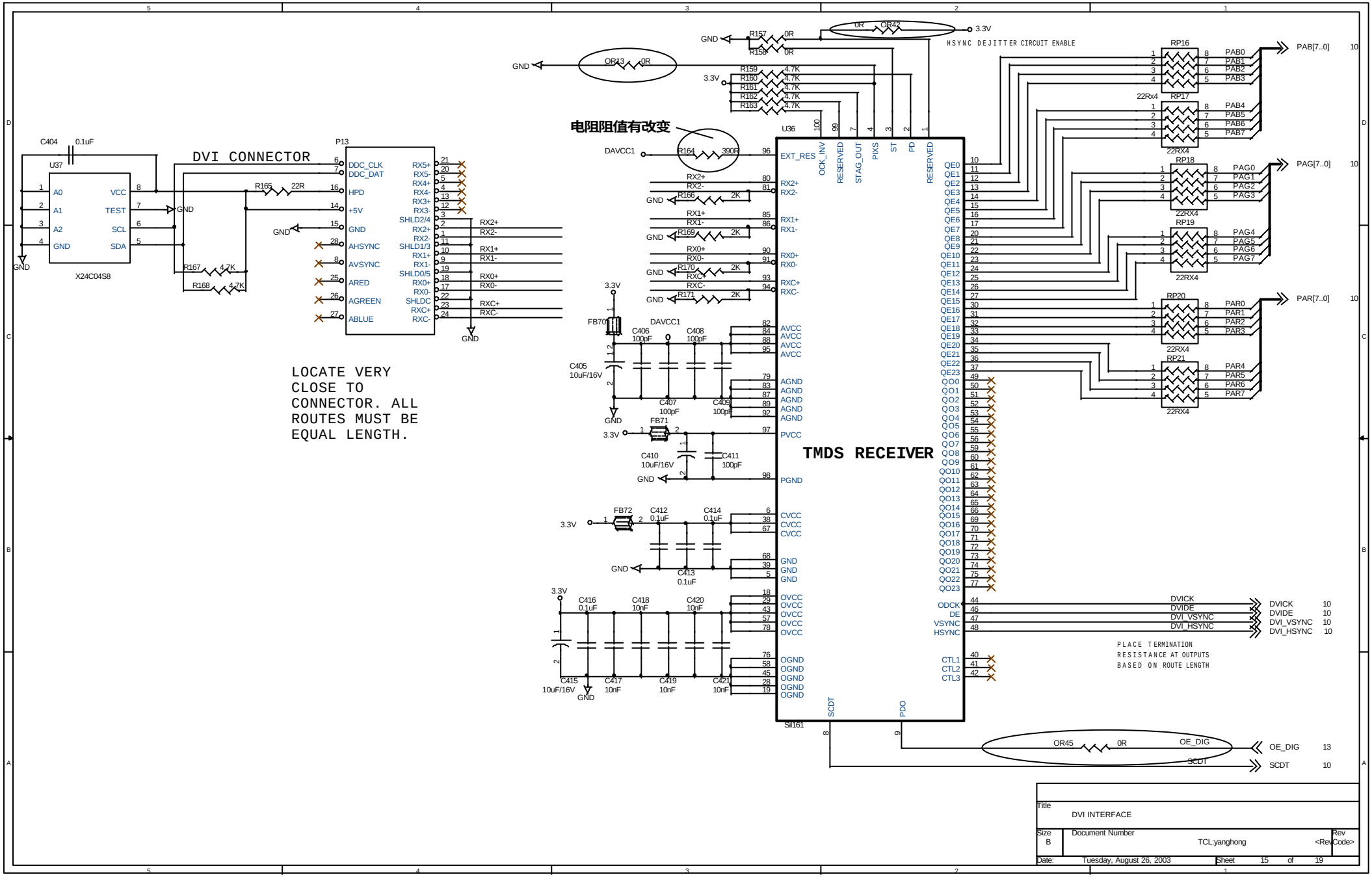
Size: Custom	Document Number: TCL:yanghong	Rev: 0.6
Date: Tuesday, August 26, 2003	Sheet 14 of 19	


DVI CONNECTOR
P13
U37
X24C04S8
C404 0.1uF
R165 22R
R167 4.7K
R168 4.7K
DDC_CLK
DDC_DAT
HPD
+5V
GND
AHSYNC
AVSYNC
ARED
AGREEN
ABLUE
SHLD2/4
SHLD1/3
SHLD0/5
SHLDC
RX5+
RX5-
RX4+
RX4-
RX3+
RX3-
RX2+
RX2-
RX1+
RX1-
RX0+
RX0-
RXC+
RXC-
LOCATE VERY CLOSE TO CONNECTOR. ALL ROUTES MUST BE EQUAL LENGTH.
电阻阻值有改变
U36
TMDS RECEIVER
SII161
HSYNC DEJITTER CIRCUIT ENABLE
OR42 0R
OR43 0R
R157 0R
R158 0R
R159 4.7K
R160 4.7K
R161 4.7K
R162 4.7K
R163 4.7K
R164 390R
R166 2K
R169 2K
R170 2K
R171 2K
DAVCC1
FB70
FB71
FB72
C405 10uF/16V
C406 100pF
C407 100pF
C408 100pF
C409 100pF
C410 10uF/16V
C411 100pF
C412 0.1uF
C413 0.1uF
C414 0.1uF
C415 10uF/16V
C416 0.1uF
C417 10nF
C418 10nF
C419 10nF
C420 10nF
C421 10nF
EXT_RES
OCK_INV
RESERVED
STAG_OUT
PIXS
ST
PD
RESERVED
AVCC
AGND
PVCC
PGND
CVCC
GND
OVCC
OGND
SCDT
PDO
QE0
QE1
QE2
QE3
QE4
QE5
QE6
QE7
QE8
QE9
QE10
QE11
QE12
QE13
QE14
QE15
QE16
QE17
QE18
QE19
QE20
QE21
QE22
QE23
QO0
QO1
QO2
QO3
QO4
QO5
QO6
QO7
QO8
QO9
QO10
QO11
QO12
QO13
QO14
QO15
QO16
QO17
QO18
QO19
QO20
QO21
QO22
QO23
ODCK
DE
VSYNC
HSYNC
CTL1
CTL2
CTL3
RP16
RP17
RP18
RP19
RP20
RP21
22RX4
PAB0
PAB1
PAB2
PAB3
PAB4
PAB5
PAB6
PAB7
PAG0
PAG1
PAG2
PAG3
PAG4
PAG5
PAG6
PAG7
PAR0
PAR1
PAR2
PAR3
PAR4
PAR5
PAR6
PAR7
PAB[7..0]
PAG[7..0]
PAR[7..0]
DVICK
DVIDE
DVI_VSYNC
DVI_HSYNC
PLACE TERMINATION RESISTANCE AT OUTPUTS BASED ON ROUTE LENGTH
OR45 0R
OE_DIG
SCDT
Title
DVI INTERFACE
Size B
Document Number
TCL:yanghong
Rev <RevCode>
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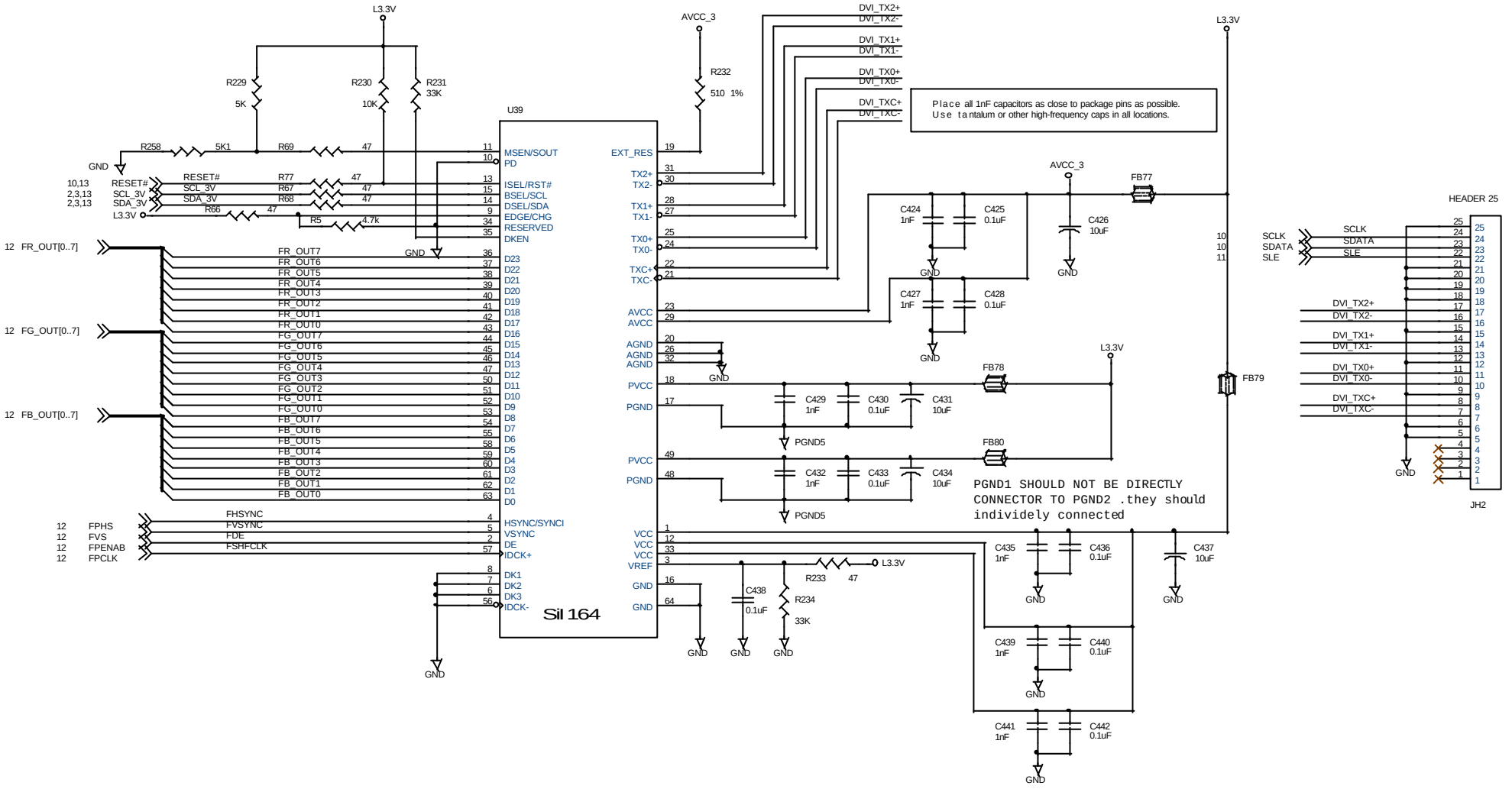
U39
Sil 164
L3.3V
AVCC_3
R229 5K
R230 10K
R231 33K
R232 510 1%
R258 5K1
R69 47
R77 47
R67 47
R68 47
R66 47
R5 4.7k
GND
RESET#
SCL_3V
SDA_3V
10,13
2,3,13
2,3,13
MSEN/SOUT
PD
ISEL/RST#
BSEL/SCL
DSEL/SDA
EDGE/CHG
RESERVED
DKEN
EXT_RES
TX2+
TX2-
TX1+
TX1-
TX0+
TX0-
TXC+
TXC-
DVI_TX2+
DVI_TX2-
DVI_TX1+
DVI_TX1-
DVI_TX0+
DVI_TX0-
DVI_TXC+
DVI_TXC-
AVCC
AGND
PVCC
PGND
VCC
VREF
12 FR_OUT[0..7]
12 FG_OUT[0..7]
12 FB_OUT[0..7]
FR_OUT7
FR_OUT6
FR_OUT5
FR_OUT4
FR_OUT3
FR_OUT2
FR_OUT1
FR_OUT0
FG_OUT7
FG_OUT6
FG_OUT5
FG_OUT4
FG_OUT3
FG_OUT2
FG_OUT1
FG_OUT0
FB_OUT7
FB_OUT6
FB_OUT5
FB_OUT4
FB_OUT3
FB_OUT2
FB_OUT1
FB_OUT0
D23
D22
D21
D20
D19
D18
D17
D16
D15
D14
D13
D12
D11
D10
D9
D8
D7
D6
D5
D4
D3
D2
D1
D0
12 FPHS
12 FVS
12 FPENAB
12 FPCLK
FHSYNC
FVSYNC
FDE
FSHFCLK
HSYNC/SYNCI
VSYNC
DE
IDCK+
IDCK-
DK1
DK2
DK3
C424 1nF
C425 0.1uF
C426 10uF
C427 1nF
C428 0.1uF
C429 1nF
C430 0.1uF
C431 10uF
C432 1nF
C433 0.1uF
C434 10uF
C435 1nF
C436 0.1uF
C437 10uF
C438 0.1uF
C439 1nF
C440 0.1uF
C441 1nF
C442 0.1uF
R233 47
R234 33K
FB77
FB78
FB79
FB80
PGND5
Place all 1nF capacitors as close to package pins as possible.
Use tantalum or other high-frequency caps in all locations.
PGND1 SHOULD NOT BE DIRECTLY
CONNECTOR TO PGND2 .they should
individely connected
HEADER 25
JH2
SCLK
SDATA
SLE
Title
<Title>
Size B
Document Number
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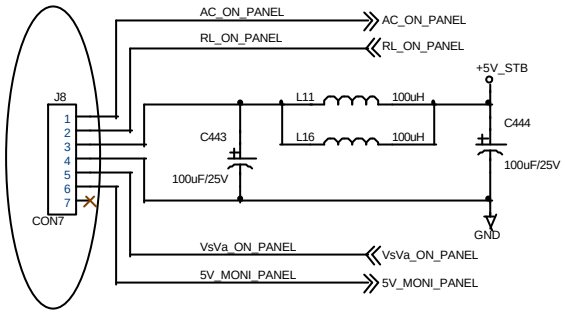
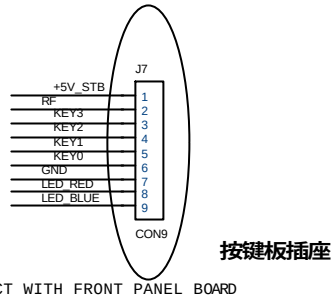
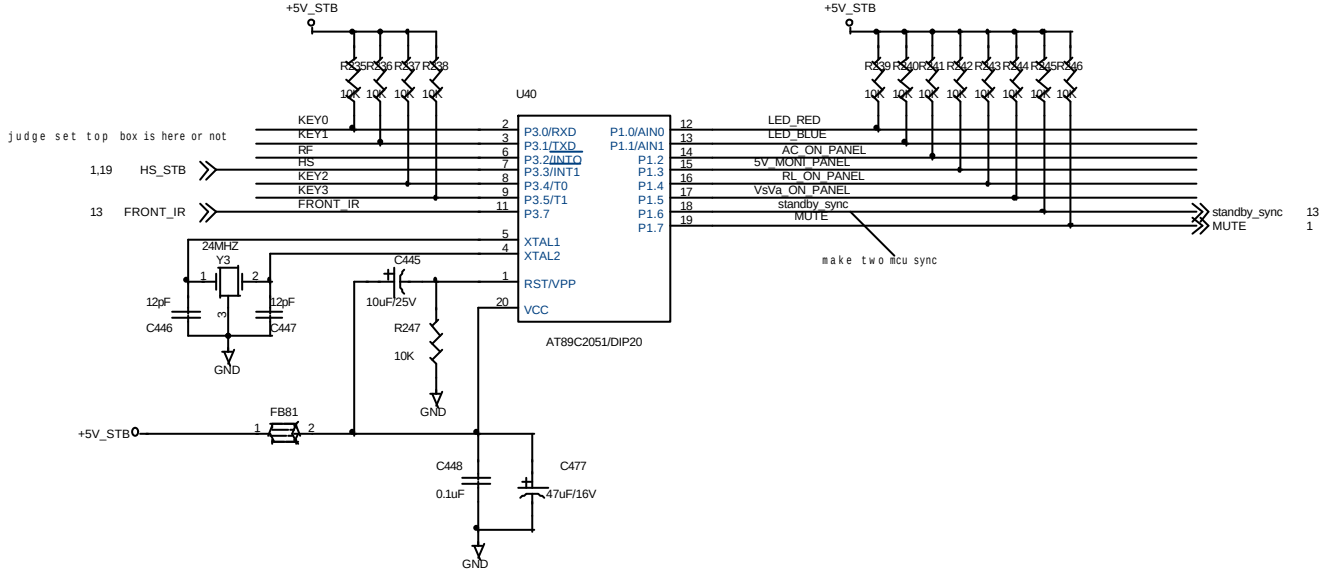


待机电源插座 CONNECT WITH POWER BOARD



按键板插座

CONNECT WITH FRONT PANEL BOARD



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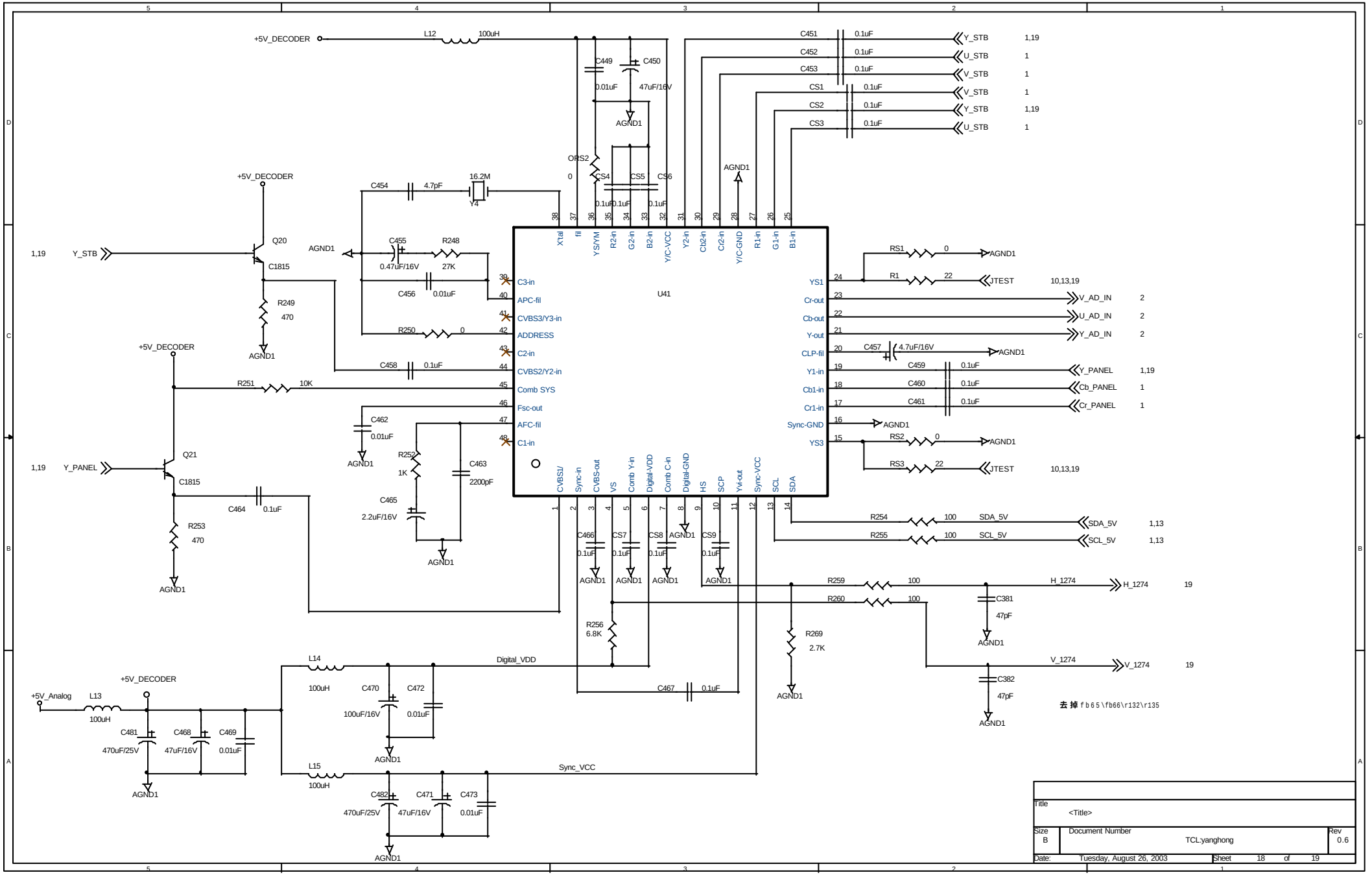
+5V_DECODER
L12
100uH
C449
0.01uF
C450
47uF/16V
AGND1
ORS2
0
CS4
CS5
CS6
0.1uF
0.1uF
0.1uF
C451
C452
C453
CS1
CS2
CS3
0.1uF
Y_STB
U_STB
V_STB
1,19
1
+5V_DECODER
C454
4.7pF
16.2M
Y4
Q20
C1815
1,19
Y_STB
AGND1
C455
0.47uF/16V
R248
27K
C456
0.01uF
R249
470
R250
0
C458
0.1uF
R251
10K
+5V_DECODER
Q21
C1815
1,19
Y_PANEL
C464
0.1uF
R253
470
AGND1
C462
0.01uF
AGND1
R252
1K
C463
2200pF
C465
2.2uF/16V
AGND1
U41
C3-in
APC-fil
CVBS3/Y3-in
ADDRESS
C2-in
CVBS2/Y2-in
Comb SYS
Fsc-out
AFC-fil
C1-in
Xtal
fil
YS/YM
R2-in
G2-in
B2-in
Y/C-VCC
Y2-in
Cb2-in
Cr2-in
Y/C-GND
R1-in
G1-in
B1-in
CVBSU
Sync-in
CVBS-out
VS
Comb Y-in
Digital-VDD
Comb C-in
Digital-GND
HS
SCP
Yvi-out
Sync-VCC
SCL
SDA
YS1
Cr-out
Cb-out
Y-out
CLP-fil
Y1-in
Cb1-in
Cr1-in
Sync-GND
YS3
RS1
0
R1
22
JTEST
10,13,19
V_AD_IN
U_AD_IN
Y_AD_IN
2
C457
4.7uF/16V
C459
C460
C461
0.1uF
Y_PANEL
Cb_PANEL
Cr_PANEL
1,19
1
RS2
RS3
R254
R255
100
SDA_5V
SCL_5V
1,13
C466
C7
C8
C9
0.1uF
R259
R260
100
H_1274
V_1274
19
C381
C382
47pF
R256
6.8K
R269
2.7K
C467
0.1uF
Digital_VDD
Sync_VCC
+5V_Analog
L13
100uH
+5V_DECODER
C481
470uF/25V
C468
47uF/16V
C469
0.01uF
L14
100uH
C470
100uF/16V
C472
0.01uF
L15
100uH
C482
470uF/25V
C471
47uF/16V
C473
0.01uF
去掉 fb65\fb66\r132\r135
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Size
B
Document Number
TCL:yanghong
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18
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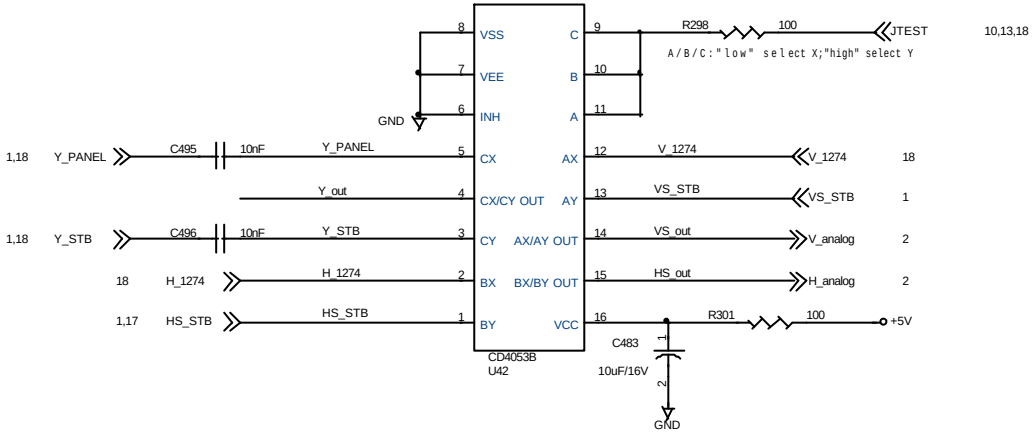
19



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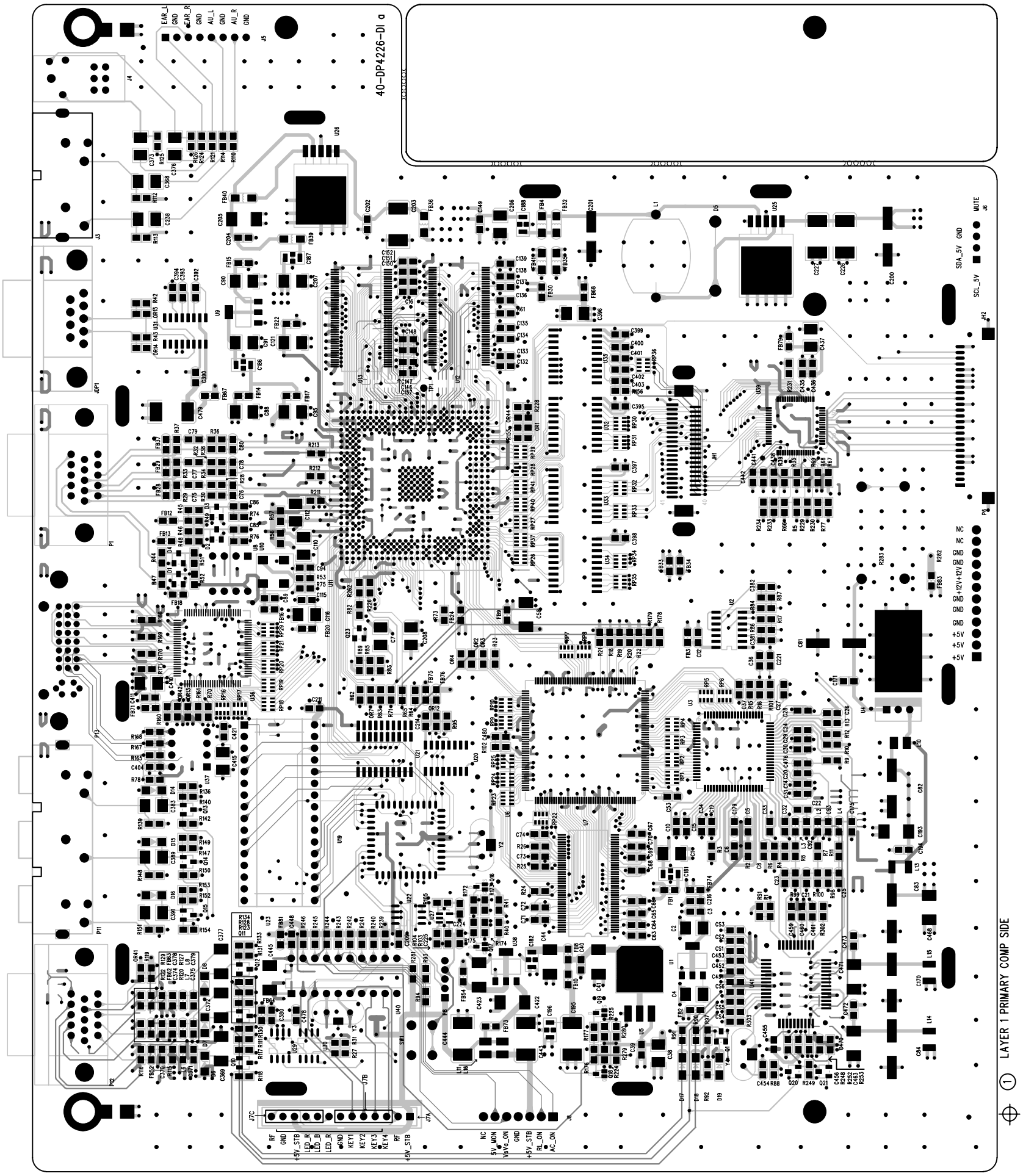
40-DP4226-DI a
EAR_L
GND
EAR_R
GND
AU_L
GND
AU_R
GND
J5
J4
J3
U26
C373
R125
C376
R124
R121
R114
R110
C368
R112
C238
R113
FB40
C205
C204
FB39
C202
C203
FB36
C149
C206
C88
FB34
FB32
C201
L1
D5
U25
C392
C393
C394
R42
U31
OR15
OR14
R43
U9
C390
C90
FB15
C187
C207
C91
C121
FB22
C186
FB67
FB14
FB17
C88
C395
C479
C139
C138
C137
C136
C61
C135
C134
C133
C132
C148
C147
C146
C145
C152
C151
C150
C149
U13
U12
TP1
FB41
FB30
FB68
C396
C399
C400
C401
C402
C403
R156
RP36
U35
C395
U32
RP30
RP31
RP32
C397
U33
RP33
C398
U34
RP35
R234
R233
R66
R5
R229
R230
R77
C435
C436
R231
C437
FB79
U39
C441
C438
R235
R69
R68
R67
C442
R263
R282
FB83
R83
C382
C384
R86
R87
R17
C36
C221
C81
C12
FB3
U2
C51
C11
U4
C26
R12
R13
R10
R9
C82
C83
C84
L13
L15
L14
C170
C473
C472
C455
C454
R88
Q20
R249
Q21
R252
R253
C463
C456
R248
R247
C458
C459
C460
C461
R302
R303
C38
C39
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R177
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R179
R176
R175
R174
R172
R173
R41
R40
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C43
C422
C423
C444
C196
C195
FB73
FB54
FB10
C40
C41
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C1
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U29
U28
U27
U22
U23
U21
U20
U19
U18
U17
U16
U15
U11
U10
U8
U7
U6
U3
Y3
Y2
Y1
SW1
R31
R27
R26
R25
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R7
R6
R5
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R3
R2
R1
C1
C2
C3
C4
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C27
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C29
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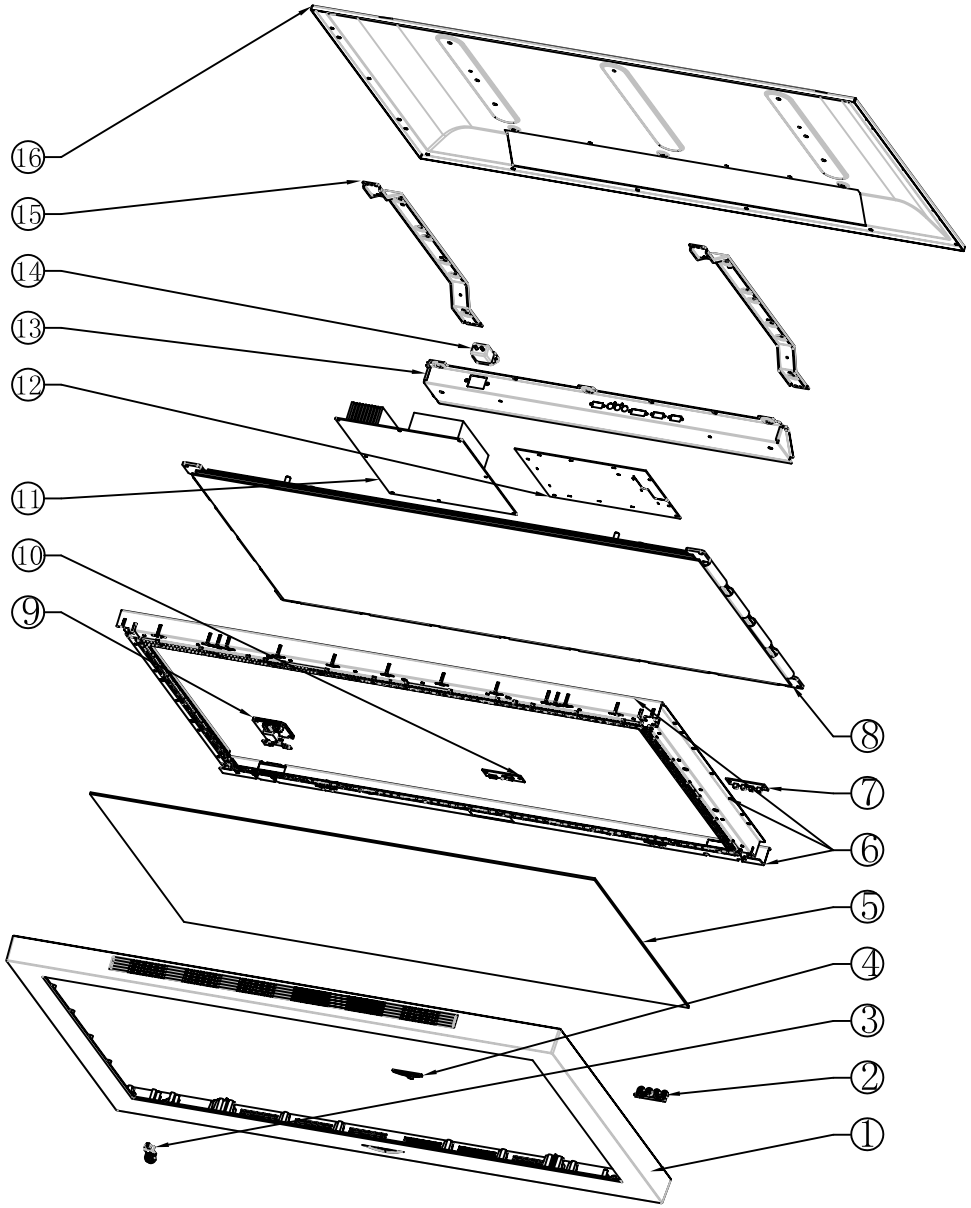
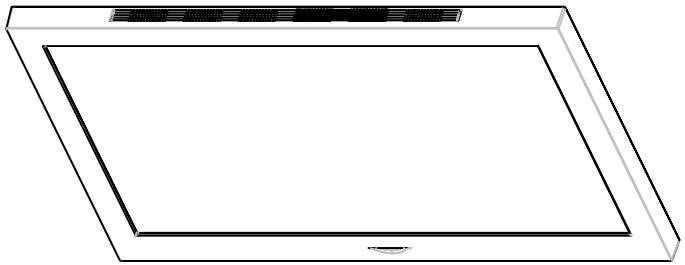
C39
C40

PDP4226 Monitor part

EXPLODE VIEW





16	Back Cover Assy	
15	Support, Vertical	
14	Inlet Filter	
13	Plate,Rear A/V	
12	VSC PCB	
11	SMPS PCB	
10	Led PCB	
9	Power PCB Assy	
8	Moudle Assy	
7	Control PCB	
6	Supporter,Filter	
5	Filter	
4	Powerknob	
3	Led	
2	Pushknob	
1	Cabinet	
NO	NAME	